

FUJIFILM

FUJIFILM DR

FUJIFILM DR-ID 800

Console : DR-ID 800CL

Service Manual

Document No. 010-307-03E
First Edition : Dec. 14, 2012
3rd Edition : Oct. 31, 2013

FUJIFILM Corporation

Printed in Japan

Export Restrictions Applying to this Equipment

Japanese export restrictions and foreign exchange regulations apply to this equipment. Therefore, government approval obtained through due procedure is required in order to export or otherwise remove such equipment from Japan.

Note that the same restrictions and regulations apply not only to the main unit but also to after-sale parts, service manuals and service training (for exporting or transferring technology) when such items are dispatched or shipped to foreign countries and when service training is given for trainees from foreign countries.

Caution : RX only in the United States. (Federal law restricts this device to sale by or on the order of a physician.)

Precautions in Using the Service Manual

This manual should not be used by anyone other than the servicing staff members qualified through the training specified by our company. Since this manual contains confidential information including engineering know-how related to product development, it is prohibited to distribute the manual to users or to allow them free access to the manual without obtaining prior permission from FUJIFILM Corporation.

This manual is intended to assist the service person in the safe and efficient servicing of the equipment described.

The equipment must be used in accordance with the procedures contained in this manual and must not be used for purposes other than those which are described herein.

The equipment should only be used by persons having recognized qualifications and, if relevant, having adequate training on this equipment, especially regarding protective measure such as laser radiation protection.

It is the responsibility of the user to ensure that existing legal regulations regarding installation of the building with respect to the equipment are observed. Moreover the legal regulations regarding the operation of the equipment are to be observed.

Incorrect operation, or failure of the user to maintain the equipment in accordance with the schedule of maintenance, relieves the manufacturer or his agent from all responsibility for consequent non-compliance, damage, injury, defects and/or other malfunction.

FDR is a trademark or registered trademark of FUJIFILM Corporation.

Copyright © 2012-2013 by FUJIFILM Corporation. All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of FUJIFILM Corporation.

How to Use This Manual

■ Notes on the Use of the Service Manual

1. This document is intended to be read by the service personnel of FUJIFILM Corporation or authorized agent who is commissioned by FUJIFILM Corporation to perform servicing tasks.

Under these circumstances, no one is allowed to perform the following actions without the prior written permission from FUJIFILM Corporation

- Duplicating or reproducing this document in whole or in part
- Disclosing this document, in whole or in part, to a person other than the authorized service personnel
- Lending or transferring this document, in whole or in part, to a third party

2. Due care must be exercised when handling this document because it contains product internal structure descriptions and other confidential information.

* When the contents of this document need be changed, the information about such changes will be conveyed using “Engineering Change Notice (ECN)”.

The “Engineering Change Notice (ECN)” must also be handled using the same care as for this document.

3. Due to a product development schedule, the product specifications and available options/variations prevailing at the time of the release of this document may differ from the descriptions given in this document. In such an instance, a Service Engineering Information will be issued as needed to furnish latest information about inapplicable specifications and components.

4. If you have any doubt about the contents of this document or find errors, contact your local FUJIFILM representative.

■ Warning and Cautionary Information

Precautions during the service work are indicated by the following terms and symbols.

WARNING

Serious injuries or death may result if this precaution is not observed.

Damage of the unit and customer database may also occur.

CAUTION

Mild or moderate injuries may result if this precaution is not observed.

Serious malfunction (which may be unrepairable or difficult to repair) may also occur.

IMPORTANT

Abnormal operations (easy to repair) may result if this precaution is not observed.

NOTE

Indicates items which require particular attention.

REFERENCE

Explanation of related items and terms.

■ Servicing Instruments and Tools That Require Inspection/Calibration

The machine should be installed and serviced by use of servicing instruments and tools that have been regularly inspected and calibrated as appropriate.

If the machine were serviced using servicing instruments and tools that have not been inspected and calibrated, proper performance of the machine could not be guaranteed.

Servicing instruments and tools that require inspection/calibration are as listed below.

The inspection/calibration should be planned and performed in accordance with the specifications and instruction manuals of the applicable servicing instruments and tools.

● Instruments and tools that require inspection/calibration

Name	Inspection	Calibration
Digital multimeter	○	○

■ Software version notation

Software versions are shown according to the following version notation.

$$\mathbf{V1.0.0003}$$

$$\mathbf{\begin{array}{ccc} \mathbf{X} & \mathbf{Y} & \mathbf{Z} \end{array}}$$

X. Major version

The number increasing at every function addition. 1 to 99.

However, this number does not always be a continuous number at every release.

Y. Minor version (sometimes called serviced package)

The number increasing at every error corrections and function addition. 0 to 99.

However, this number does not always be a continuous number at every release.

Z. Hot-fix status number

The number indicating the status of Hot Fix (hereinafter referred to as HF). 0001 to 7777.

The sum of all of the HF numbers is displayed as this number. If no HF included, this Z part is not written.

Each digit of HF is formed by only 3 elements, 1, 2 and 4, and a maximum of 12 combinations of elements can be indicated by these 4 digits. You can learn which elements are included from the HF status number.

Numbers represent unique combinations as follows: 7 = 1+2+4, 6 = 2+4, 5 = 1+4, 4 = 4 only, 3 = 1+2, 2 = 2 only, 1 = 1 only, 0 = none. For example, the Z part "1234" indicates that 5 HF, HF1000, HF0200, HF0010, HF0020, and HF0004 among 12 HF have been installed.

Contents (DR-ID 800CL Service Manual)

Safety Precautions

1. Safety Precautions	1
2. Electromagnetic Compatibility (EMC)	4
2.1 Electromagnetic Compatibility (EMC) Related Standard ...	4
2.2 Further information for IEC 60601-1-2: 2001+A1:2004...	5
3. Caution for Handling Personal Information	9

Product Specifications

1. Equipment Specifications	1
1.1 Optional Components	1
1.2 Dimensions/Weight.....	1
1.3 Environmental Conditions	1
1.4 Electrical Specifications	1
1.5 Applicable Standards	1
1.6 Network Cable.....	1
1.7 Equipment Disposal.....	1

MD: Machine Description

1. System Configuration	MD-1
1.1 Desktop PC	MD-1
1.1.1 System Configuration	MD-1
1.1.2 Operating Environment	MD-2
2. Connectors	MD-3
2.1 PFU AR2000 Model 420F (DC Input Type)	MD-3
3. System Connection Example	MD-3
4. Software Function Overview	MD-4
5. Relationship between FPD and DR-ID 800CL	MD-9
5.1 Software (AP/OS) and Data Flow	MD-9

MT: Machine Troubleshooting

1. Error Code Table	MT-1	Appendix A Nothing	Appx MT A-1
1.1 Referring to Error Messages.....	MT-1	Appendix B DR-ID 800CL Error Message Table...	Appx MT B-1
1.2 Precautions	MT-4	Appendix C Nothing	Appx MT C-1
1.3 Error Message	MT-4	Appendix D Nothing	Appx MT D-1
2. Using the Event Viewer	MT-5	Appendix E Nothing	Appx MT E-1
2.1 Overview of the Event Viewer.....	MT-5		
2.2 Starting the Event Viewer	MT-5		
2.3 Configuration and How to View the Event Viewer	MT-6		
2.4 Details of Events.....	MT-7		
2.5 Saving the Event Log	MT-8		
2.6 Deleting the Event Log.....	MT-9		
2.7 Quitting the Event Viewer	MT-9		
3. Information Useful for Error Recovery	MT-10		
3.1 Precautions to be Observed During the Use of Options	MT-10		
4. Troubleshooting	MT-11		
4.1 Trouble Diagnosis Tool (Windows Memory Diagnostics Tool)	MT-12		
4.1.1 Starting and Running the Trouble Diagnosis Tool (Windows Memory Diagnostics Tool)	MT-12		
4.2 Checking the Hard Disk	MT-13		
4.3 Resetting the Refresh Frequency	MT-14		
4.4 Changing the Barcode Reader Driver Software	MT-15		

MC: Inspection, Replacement and Adjustment

1. Restoring the HDD Image	MC-1	9. Installing the DR-ID 800CL Standard Kit [Setting Done Prior to Shipment]	MC-52
2. Setting the BIOS [Setting Done Prior to Shipment]	MC-2	10. Installing the Electronic Manual [Item to be Set at Installation]	MC-59
3. Installing the Driver Software [Setting Done Prior to Shipment]	MC-6	11. Option Key Installation [Item to be Set at Installation]	MC-60
4. Setting Up the OS [Setting Done Prior to Shipment]	MC-10	12. AP Key Installation [Item to be Set at Installation]	MC-61
5. Setting Up the Monitor [Setting Done Prior to Shipment]	MC-42	13. Initializing the Image Database [Item to be Set at Installation]	MC-62
5.1 15" Monitor with Touch Panel	MC-42	14. Display Optimization (LUT File Settings) [Setting Done Prior to Shipment]	MC-64
6. Installing the Database Management System [Setting Done Prior to Shipment]	MC-43	15. Restoring the Config/Network Adapter Settings [Item to be Set at Installation]	MC-65
6.1 Installing SQL Server	MC-43	15.1 Restoring the Config	MC-65
7. Installing the DR-ID 800CL-AP	MC-45	15.2 Restoring the Network Adapter Settings.....	MC-66
7.1 Installing the AP [Setting Done Prior to Shipment].....	MC-45	16. Settings for the FPD [Item to be Set at Installation]	MC-67
7.2 Replacing the Menu Database [Item to be Set at Installation]	MC-47	17. Firewall Settings [Setting Done Prior to Shipment]	MC-68
7.3 Setting the Partition (V7.3 or later) [Setting Done Prior to Shipment].....	MC-48	18. Canceling AutoPlay Mode [Setting Done Prior to Shipment]	MC-73
8. Installing Various Components [Setting Done Prior to Shipment]	MC-49	19. Setting the Event Log [Setting Done Prior to Shipment]	MC-74
8.1 FRIS Modules.....	MC-49		
8.2 SKB Launcher	MC-51		

20. Setting the Images Folder Size (V7.3 or later) [Setting Done Prior to Shipment]	MC-76	Appendix A Nothing	Appx MC A-1
21. Installing the MC Application [Setting Done Prior to Shipment]	MC-77	Appendix B Nothing	Appx MC B-1
22. Backing Up the HDD Image [Item to be Set at Installation]	MC-77	Appendix C Nothing	Appx MC C-1
		Appendix D Nothing	Appx MC D-1
		Appendix E Nothing	Appx MC E-1

MU: Maintenance Utility

1. Starting/Exiting the Service Utility	MU-1	7. Verifying the Connection to Other Connected Equipment — Verify Connection.....	MU-86
2. Overview of Service Utility Functions.....	MU-4	8. Print Output Function	MU-88
3. Various Configuration Settings — Setup Configuration Item	MU-8	8.1 Film Annotation Character Setup (Direct Editing of FilmStrFmt)	MU-89
3.1 Meanings of Individual Tree Items	MU-9	8.1.1 Procedure for Directly Editing the FilmStrFmt File	MU-89
3.2 Editing the Listed Configuration Items.....	MU-11	8.1.2 FilmStrFmt File Description Format.....	MU-90
3.3 Saving the Configuration Data	MU-12	8.1.3 Changing the Film Annotation Characters.....	MU-92
3.4 Configuration Details — 1. IMAGE MODALITY.....	MU-13	8.1.4 Format Descriptors.....	MU-96
3.5 Configuration Details — 3. QA FUNCTION	MU-28	8.1.5 Attribute Descriptors	MU-100
3.6 Configuration Details — 4. PRINTER.....	MU-30	8.1.6 Film Annotation Character Verification Procedure	MU-105
3.7 Configuration Details — 5. CSL/IDT FUNCTION	MU-51	9. Management of Various Databases — DataBase Utility	MU-106
3.8 Configuration Details — 7. CONFIG OPTION.....	MU-70	9.1 Initializing the Image Database.....	MU-106
3.9 Configuration Details — 8. CONFIG QC	MU-72	9.2 Clearing the Contents of the Image Output Queue ...	MU-107
3.10 Configuration Details — 99. CONFIG FIX	MU-73	9.3 Initializing the Patient Database.....	MU-108
3.11 Setting the Name Elements for DICOM Connection...	MU-74	10. Setting the Barcode — Barcode Setting	MU-109
3.12 Setting Up the DICOM Print Film Sorting Function ...	MU-76	10.1 1D Barcode	MU-109
3.13 MAC Address Manual Input.....	MU-79	10.2 2D Barcode (Applicable only in Japan).....	MU-111
3.14 Log Information Sharing Function Setup	MU-80	11. Setting the Selectors — Selector Setting	MU-112
4. Display Optimization — LUT	MU-82	12. Collecting the Log and Configuration Files — Log/Configuration Files Acquisition Tool	MU-114
5. Restoring/Backing Up the Configuration File — Configuration Restore/Backup	MU-83		
6. Retrieving EDR Data — Retrieve EDR Backup Data.....	MU-84		

13. Registering the Image Detectors — Device Setting	MU-117	17. Menu Import Export Tool	MU-131
14. Registering the Network Adapter Settings — Network Adapter Configuration (V7.3 or Later)	MU-118	17.1 Functions and Overview of the Menu Import Export Tool	MU-132
14.1 Registering the Network Adapter Settings	MU-118	17.2 Setting Up the Menu Import Export Tool	MU-134
14.2 Backing up the Network Adapter Settings	MU-122	17.3 Starting/Shutting Down the Menu Import Export Tool	MU-135
14.3 Restoring the Network Adapter Settings.....	MU-123	17.4 Exporting Exposure Menus	MU-135
15. Setting the Available Parameter — Selectable Image Processing Parameter Setting (V7.3 or Later)	MU-125	17.5 Cautions Observed Before Menu Import	MU-136
16. DR Console Setup Tool	MU-128	17.5.1 Cautions Observed When Editing Exposure Menus and Study Menus	MU-136
16.1 Setup for Addition of Descriptive Characters to Icons [Applicable only in Japan].....	MU-128	17.6 Importing Exposure Menus and Study Menus	MU-137
16.2 Setting the Grid Pattern Removal Processing	MU-129	17.7 Checking APR Information	MU-138
16.3 Setup of Auto Shuttering Processing.....	MU-130	17.8 Setting the 180° Image Rotation Information	MU-139
		17.9 Automatic Technique Settings	MU-140

Appendix A Nothing	Appx MU A-1	Appendix J DICOMTagEditTool	Appx MU J-1
Appendix B Creating/Registering/Deleting Markers	Appx MU B-1	1. Functions and Overview of DICOMTagEditTool	Appx MU J-1
1. Creating Markers	Appx MU B-1	2. Setting up the DICOMTagEditTool	Appx MU J-5
2. Marker Creation Example [Reference]	Appx MU B-4	3. Creating Tag Conversion Files	Appx MU J-6
3. Registering Markers.....	Appx MU B-8	3.1 Creating the Operation Definition Selection List	Appx MU J-6
4. Deleting Markers.....	Appx MU B-9	3.2 Configuring Operation Definitions.....	Appx MU J-6
Appendix C Using the DICOM Log Mode	Appx MU C-1	3.3 Saving Tag Conversion Files	Appx MU J-8
Appendix D Nothing	Appx MU D-1	3.4 Testing the Saved Tag Conversion Files ...	Appx MU J-9
Appendix E Setup of Log Output Items of the Exposure Result Log Function...	Appx MU E-1	3.5 Applying Tag Conversion Files.....	Appx MU J-10
Appendix F Nothing	Appx MU F-1	4. Details of Each Command	Appx MU J-11
Appendix G Nothing	Appx MU G-1	4.1 Details of Operation Commands	Appx MU J-11
Appendix H Setting the Exposure Index Function	Appx MU H-1	4.2 Details of Judgment Command	Appx MU J-13
Appendix I Setting the Technique Code	Appx MU I-1	4.3 Details on Description of Tags	Appx MU J-14
		5. Setup Example	Appx MU J-15
		5.1 Example of Copying/Deleting Tag in DICOM by Using DICOM Storage	Appx MU J-15
		5.2 Example of Setting Fixed Value According to Tag Value by Using DICOM Storage	Appx MU J-15
		5.3 Example of Adding/Deleting Tag in DICOM by Using DICOM MWM	Appx MU J-16

Appendix K Nothing	Appx MU K-1	Appendix P List of New Group Indications of Configuration Items (V7.3 or Later)	Appx MU P-1
Appendix L CS Edit Tool for Storage	Appx MU L-1	1. A. System	Appx MU P-1
1. Functions and Overview of CS Edit Tool for Storage.....	Appx MU L-1	2. B. Modality device.....	Appx MU P-3
2. Setting up the CS Edit Tool for Storage.....	Appx MU L-4	3. C. Imaging	Appx MU P-5
2.1 Operating Environment.....	Appx MU L-4	4. D. Ordering system.....	Appx MU P-8
2.2 Tool Installation.....	Appx MU L-4	5. E. CSL operation	Appx MU P-9
2.3 Starting/Shutting Down the CS Edit Tool for Storage	Appx MU L-5	6. F. DICOM storage.....	Appx MU P-10
3. Operation list of Editing Functions.....	Appx MU L-6	7. G. Film print	Appx MU P-10
4. Editing Samples.....	Appx MU L-7	Appendix Q Setting the Connection Device Status Icons (V7.3 or Later)	Appx MU Q-1
Appendix M Nothing	Appx MU M-1	1. Settings Concerning Radio Wave Intensity and the Antenna Icon.....	Appx MU Q-1
Appendix N Nothing	Appx MU N-1	2. Settings Concerning the Remaining Battery Life of a Laptop PC and the Battery Icon	Appx MU Q-3
Appendix O Editing the Minimum Lengths of the User Name and Password Strings	Appx MU O-1	Appendix R Security Settings for the United States Department of Defense (DoD)	Appx MU R-1
		1. Setting Procedures	Appx MU R-1
		1.1 Executing the Batch File (Setting at DR-ID 800CL).....	Appx MU R-1
		1.2 Setting the User Authentication (Setting at External Device)	Appx MU R-2
		2. Checking the Operation.....	Appx MU R-4

SP: Service Parts

1. Service Parts List	SP-1
1.1 How to Use Service Parts List	SP-1
1.2 Service Parts List.....	SP-3

PM: Preventive Maintenance

1. Preventive Maintenance Items	PM-1
2. Checking for a Fatal Error	PM-2
2.1 Confirming the Event Log	PM-2
3. Safety	PM-2
3.1 Service Voltage (DC16-24V)	PM-2
4. Hardware Cleaning	PM-3
4.1 PC Internal Cleaning	PM-3
4.2 LCD Cleaning	PM-3
5. Executing the Error Analysis Tool	PM-4
5.1 Executing Windows Memory Diagnostics	PM-4
6. Functional Checks	PM-4
6.1 Confirmation of Image Input to Storage onto HDD	PM-4
6.2 Image Output to Film	PM-4
6.3 Image Transfer	PM-4
7. Backup of Setup Files and Verification of Date and Time	PM-5
7.1 Backup of Setup Files and Log Files	PM-5
7.2 Verification of Date and Time	PM-5

IN: Installation

1. DR-ID 800CL Installation Conditions	IN-1	4.2 Settings on the DR-ID 800CL for Connection with the FPD.....	IN-13
1.1 Dimensions and Weight	IN-1	4.2.1 Starting the Service Utility	IN-13
1.2 Temperature and Humidity	IN-1	4.2.2 DR-ID 800CL System Information Setup	IN-14
1.3 Places of Installation	IN-1	4.2.3 Registering the Image Detector.....	IN-19
1.4 Power Requirements	IN-1	4.2.4 Setting the Selectors	IN-20
2. Installation Procedure Overview	IN-2	4.2.5 Optimizing the Monitor Display [Setting Done Prior to Shipment]	IN-21
3. DR-ID 800CL Hardware Setup	IN-3	4.2.6 Changing the Menu Database.....	IN-22
3.1 Checking the Component Items.....	IN-4	4.2.7 Exiting the Service Utility.....	IN-26
3.2 Installing the Available Items	IN-4	4.3 Registration of Connection Settings of the In-Hospital Network (V7.3 or Later)	IN-27
3.3 Making a Cable Connection to the FPD	IN-5	4.4 Setting Network Connection in PC with 2 NIC	IN-27
3.4 Connecting to the Other Equipment.....	IN-5	4.5 Setting the Priority Order of the Network Binding	IN-29
4. DR-ID 800CL Software Setup	IN-6	4.6 Procedures for Changing the DR-ID 800CL Host Name	IN-30
4.1 DR-ID 800CL-AP Startup	IN-6	4.7 DR-ID 800CL Setup for Connection to Other Equipment.....	IN-30
4.1.1 OS Startup.....	IN-7	4.8 Barcode Reader Connection	IN-31
4.1.2 OS Setup.....	IN-8	4.9 Setting the DX Parameter	IN-31
4.1.3 Touch Panel Monitor Setups/ Operational Verification.....	IN-8	4.10 Setting the Connection Device Status Icon (V7.3 or Later)	IN-31
4.1.4 Setup for Addition of Descriptive Characters to Icons [Applicable only in Japan].....	IN-10		
4.1.5 Option Key Installation.....	IN-10		
4.1.6 AP Key Installation	IN-11		
4.1.7 DR-ID 800CL Startup Verification	IN-12		

5. Checkout Procedures	IN-32
5.1 Checking the Connection between the DR-ID 800CL and FPD	IN-32
5.2 Checking the Connection between the DR-ID 800CL and Other Equipment	IN-32
5.3 Checking the Output Image	IN-32
5.4 Operation Check of the Network Switching Function ...	IN-33
6. Setup File Backup, Image Database Initialization and Error Log Verification/Deletion	IN-34
6.1 Backing Up the DR-ID 800CL Setup Files	IN-35
6.1.1 Backing Up the System Setup Files	IN-35
6.1.2 Backing Up the Network Adapter Setup Files	IN-35
6.2 Initializing Various Image Databases	IN-36
6.2.1 Initializing Image Databases	IN-36
6.2.2 Clearing the Image Output Queue	IN-37
6.2.3 Initializing the Patient Database	IN-37
6.3 Checking and Deleting the DR-ID 800CL Error Log ...	IN-38
6.4 Turning OFF the DR-ID 800CL	IN-38

Appx IN: Installation – Appendix

Appendix 1	Connecting the Barcode Reader [Option].....	Appx IN1-1	Appendix 7	Uninstalling the AP	Appx IN7-1
1.	Connecting the Barcode Reader to the DR-ID 800CL	Appx IN1-1	1.	DR-ID 800CL-AP	Appx IN7-2
2.	Settings Required When Using the Study List Search Function Based on the Hospital Barcode	Appx IN1-5	2.	SQL Server 2008	Appx IN7-3
2.1	Setting the Search Key	Appx IN1-5	3.	Option Keys	Appx IN7-6
2.2	Setting the Barcode Type	Appx IN1-6	4.	PPS Cache Server.....	Appx IN7-7
Appendix 2	Nothing	Appx IN2-1	Appendix 8	Upgrading the AP	Appx IN8-1
Appendix 3	Nothing	Appx IN3-1	Appendix 9	Setup for Security Enhancement...	Appx IN9-1
Appendix 4	Changing the FPD Host Name.....	Appx IN4-1			
Appendix 5	Changing the DR-ID 800CL Host Name.....	Appx IN5-1			
Appendix 6	Changing the DR-ID 800CL IP Address	Appx IN6-1			

Appendix 10 DICOM CR Storage	Appx IN10-1
1. Hardware Setup	Appx IN10-3
2. Software Setup	Appx IN10-4
2.1 DR-ID 800CL Software Setup	Appx IN10-5
2.1.1 Starting the Service Utility	Appx IN10-5
2.1.2 Setup for the Study Modality	Appx IN10-6
2.1.3 Setup of Information on This Equipment for the DICOM CR Storage Function	Appx IN10-7
2.1.4 Registration of Information on Other Connected Equipment for the DICOM CR Storage Function	Appx IN10-10
2.1.5 Settings of Automatic Image Distribution (DISTRIBUTION CODE)	Appx IN10-14
2.1.6 Setup for CONNECTING EQUIPMENT.....	Appx IN10-15
2.1.7 Settings for UID Issuance.....	Appx IN10-15
2.1.8 Changing the Name Elements	Appx IN10-16
2.1.9 Display Gradation Correction Setup...	Appx IN10-17
2.1.10 Service Utility Shutdown	Appx IN10-18
2.1.11 Setup for the Timing of the Image Distribution (V7.3 or Later)	Appx IN10-18
2.2 Software Setup on Other Connected Equipment.....	Appx IN10-20
3. Connection Checkout	Appx IN10-21
3.1 DR-ID 800CL-AP Startup.....	Appx IN10-21
3.2 Image Transfer to Other Connected Equipment.....	Appx IN10-21
4. Setup File Backup.....	Appx IN10-22

Appendix 11 DICOM DX Storage	Appx IN11-1
1. Hardware Setup	Appx IN11-3
2. Software Setup	Appx IN11-4
2.1 DR-ID 800CL Software Setup	Appx IN11-5
2.1.1 Starting the Service Utility	Appx IN11-5
2.1.2 Setup for the Study Modality	Appx IN11-6
2.1.3 Setup of Information on This Equipment for the DICOM DX Storage Function	Appx IN11-7
2.1.4 Registration of Information on Other Connected Equipment for the DICOM DX Storage Function	Appx IN11-10
2.1.5 Settings of Automatic Image Distribution (DISTRIBUTION CODE)	Appx IN11-14
2.1.6 Setup for CONNECTING EQUIPMENT.....	Appx IN11-15
2.1.7 Settings for UID Issuance.....	Appx IN11-15
2.1.8 Changing the Name Elements	Appx IN11-16
2.1.9 Display Gradation Correction Setup...	Appx IN11-17
2.1.10 Service Utility Shutdown	Appx IN11-18
2.1.11 Setup for the Timing of the Image Distribution (V7.3 or Later)	Appx IN11-18
2.2 Software Setup on Other Connected Equipment.....	Appx IN11-20
3. Connection Checkout	Appx IN11-21
3.1 DR-ID 800CL-AP Startup.....	Appx IN11-21
3.2 Image Transfer to Other Connected Equipment.....	Appx IN11-21
4. Setup File Backup.....	Appx IN11-22

Appendix 12 DICOM Print	Appx IN12-1	3. Verifying the Connection.....	Appx IN12-19
1. Hardware Setup.....	Appx IN12-2	3.1 Starting the DR-ID 800CL-AP	Appx IN12-19
2. Software Setup	Appx IN12-3	3.2 Verifying the Film Annotation Character Format	Appx IN12-19
2.1 DR-ID 800CL Software Setup	Appx IN12-3	4. Backing Up the Setup File	Appx IN12-20
2.1.1 Installation of the DICOM Print Option Key.....	Appx IN12-3		
2.1.2 AP Key Reinstallation	Appx IN12-4		
2.1.3 Service Utility Startup	Appx IN12-5		
2.1.4 Setup of Information on This Equipment for the DICOM Print Function	Appx IN12-6		
2.1.5 Registration of Information on Other Connected Equipment for the DICOM Print Function	Appx IN12-9		
2.1.6 Registration of Printer That Automatically Outputs Print Films Upon Completion of Checkout – CONNECTING EQUIPMENT.....	Appx IN12-13		
2.1.7 Film Annotation Character Format Setup	Appx IN12-14		
2.1.8 Changes in Name Elements	Appx IN12-14		
2.1.9 Setup for Film Sorting Function	Appx IN12-14		
2.1.10 Setting the DICOM Print Output Conditions	Appx IN12-15		
2.1.11 Service Utility Shutdown	Appx IN12-15		
2.1.12 Setup for the Timing of the Image Distribution (V7.3 or Later)	Appx IN12-16		
2.2 Software Setup for Other Connected Equipment.....	Appx IN12-18		

Appendix 13 RIS: DICOM MWM/DICOM PPS	Appx IN13-1		
1. Hardware Setup	Appx IN13-5		
2. Software Setup	Appx IN13-6		
2.1 DICOM MWM or DICOM PPS Option Key Installation	Appx IN13-6		
2.1.1 DICOM MWM Option Key Installation	Appx IN13-6		
2.1.2 DICOM PPS Option Key Installation	Appx IN13-7		
2.2 AP Key Reinstallation	Appx IN13-9		
2.3 Setup for the DICOM MWM Function	Appx IN13-9		
2.3.1 Setup of DR-ID 800CL Information for the DICOM MWM Function	Appx IN13-9		
2.3.2 Registration of RIS Information	Appx IN13-12		
2.3.3 Registration of RIS Used for MWM ...	Appx IN13-13		
2.4 Setup for the DICOM PPS Function	Appx IN13-14		
2.4.1 Setup of DR-ID 800CL Information for the DICOM PPS Function	Appx IN13-14		
2.4.2 Registration of RIS Information (When Not Using PPS Cache Server)...	Appx IN13-16		
2.4.3 Registration of RIS Information (When Using PPS Cache Server)....	Appx IN13-18		
2.4.4 Registration of RIS Used with PPS ...	Appx IN13-19		
		2.5 MWM/PPS Configuration Setup	Appx IN13-20
		2.5.1 General Settings for MWM/PPS	Appx IN13-20
		2.5.2 Setting the Method of Inquiring at the RIS ...	Appx IN13-21
		2.5.3 Setting Additional MWM Inquiry Items	Appx IN13-22
		2.5.4 Settings for the Compliance with the JJ1017 Guideline (Applicable only in Japan)	Appx IN13-23
		2.5.5 Setting the Additional PPS Items to be Returned to the RIS	Appx IN13-23
		2.5.6 Embedding the Exposure Information into a PPS Standard Tag	Appx IN13-24
		2.5.7 Setting the MWM Code Meaning as a Menu Name	Appx IN13-24
		2.5.8 Settings for Regenerating StudyInstanceUID for a Study Acquired Using the MWM Function	Appx IN13-25
		2.5.9 Settings of PPS Cache Server	Appx IN13-27
		2.6 The Environment Setting of PPS Cache Server	Appx IN13-28
		2.7 Changing Name Elements	Appx IN13-30
		2.8 Setup for Exposure Menu/Study Menu Mapping	Appx IN13-30
		3. Verifying the Connection.....	Appx IN13-32
		3.1 Starting the DR-ID 800CL-AP	Appx IN13-32
		3.2 Verifying MWM.....	Appx IN13-33
		3.3 Verifying PPS.....	Appx IN13-33
		4. Backing Up the Setup File	Appx IN13-33

Appendix 14 Archiver: Storage Commitment Push	Appx IN14-1	Appendix 18 Setup of Date and Time Display ...	Appx IN18-1
1. Hardware Setup	Appx IN14-3	1. Setting the Date and Time	Appx IN18-1
2. Software Setup	Appx IN14-4	2. Setting the Display Format of Date and Time	Appx IN18-2
2.1 Installing the DICOM Commitment Push Option Key	Appx IN14-4	3. Setting the Display Font of Date and Time	Appx IN18-3
2.2 Reinstalling the AP Key	Appx IN14-5	Appendix 19 X-Ray Controller	Appx IN19-1
2.3 Performing DICOM Storage Setup	Appx IN14-5	1. Hardware Setup [Setting Done Prior to Shipment]	Appx IN19-2
2.4 Setting Information on This Equipment for the Commitment Push Function	Appx IN14-6	2. Software Setup	Appx IN19-3
2.5 Registering the Archiver Information for the Commitment Push Function	Appx IN14-8	2.1 Configuration setting for Direct Connection with the X-CON [Setting Done Prior to Shipment]	Appx IN19-3
2.6 Registering the SC AE Name	Appx IN14-10	2.2 Setting the OS COM Ports [Setting Done Prior to Shipment]	Appx IN19-6
3. Verifying the Function	Appx IN14-11	3. Verifying the Connection/Data Exchange	Appx IN19-7
3.1 Starting the DR-ID 800CL-AP	Appx IN14-11	3.1 Verifying the Serial Connection	Appx IN19-7
3.2 Transferring an Image to the Archiver.....	Appx IN14-11	3.2 Checking the Data Exchange	Appx IN19-8
4. Backing Up the Setup File	Appx IN14-12	4. Backing Up the Setup File	Appx IN19-9
Appendix 15 Nothing	Appx IN15-1	5. Table of X-CON Connections and User Utility Settings	Appx IN19-10
Appendix 16 Nothing	Appx IN16-1		
Appendix 17 Nothing	Appx IN17-1		

Appendix 20 Nothing	Appx IN20-1	Appendix 24 Nothing	Appx IN24-1
Appendix 21 Nothing	Appx IN21-1	Appendix 25 Nothing	Appx IN25-1
Appendix 22 Nothing	Appx IN22-1	Appendix 26 Setting the Serial Connector	Appx IN26-1
Appendix 23 Settings Necessary for Browsing the Operation Manuals (PDF)	Appx IN23-1	1. Port and Service Utility Settings	Appx IN26-1
1. Software Setup	Appx IN23-2	Appendix 27 DAP (Dose-area Product Meter) ...	Appx IN27-1
1.1 Tool Installation	Appx IN23-2	1. Hardware Setup	Appx IN27-2
1.2 AP Key Installation	Appx IN23-3	2. Software Setup	Appx IN27-3
1.3 Setting the Adobe Reader Operating Environment.....	Appx IN23-4	2.1 Starting the Service Utility	Appx IN27-3
1.4 Correcting and Moving the Setup Files ...	Appx IN23-6	2.2 Setting the Configuration Items	Appx IN27-5
2. Verification	Appx IN23-7	2.3 Exiting the Service Utility	Appx IN27-6
3. Setup File Backup/Restore	Appx IN23-8	3. Verification	Appx IN27-7
4. Browsing Operation Manuals (PDF) Other Than for the Console	Appx IN23-9	3.1 Starting the DR-ID 800CL-AP	Appx IN27-7
		3.2 Verifying Connection to a DAP	Appx IN27-8
		3.3 Verifying Reception of Dose-area Product Information	Appx IN27-8
		3.4 Verifying Transfer of Dose-area Product Information	Appx IN27-9
		3.4.1 When DICOM PPS Connection is Enabled.....	Appx IN27-9
		3.4.2 When DICOM Storage Connection is Enabled.....	Appx IN27-9
		3.4.3 When DICOM Print Connection is Enabled.....	Appx IN27-9
		4. Setup File Backup.....	Appx IN27-10

Appendix 28 Simple Ordering	Appx IN28-1	Appendix 34 Nothing	Appx IN34-1
1. Hardware Setup	Appx IN28-2	Appendix 35 Nothing	Appx IN35-1
2. Software Setup	Appx IN28-3	Appendix 36 Nothing	Appx IN36-1
2.1 Installing the Simple Ordering Option Key	Appx IN28-3	Appendix 37 Nothing	Appx IN37-1
2.2 Reinstalling the AP Key	Appx IN28-4	Appendix 38 Nothing	Appx IN38-1
2.3 Setting the Configuration Related to the Simple Ordering	Appx IN28-4	Appendix 39 Nothing	Appx IN39-1
2.4 Creating and Setting the Shared Folder ...	Appx IN28-7		
3. Verification	Appx IN28-9		
3.1 Starting the DR-ID 800CL-AP	Appx IN28-9		
3.2 Verifying Receiving of the Order Information	Appx IN28-9		
4. Setup File Backup.....	Appx IN28-10		
Appendix 29 Nothing	Appx IN29-1		
Appendix 30 Nothing	Appx IN30-1		
Appendix 31 Nothing	Appx IN31-1		
Appendix 32 Nothing	Appx IN32-1		
Appendix 33 Nothing	Appx IN33-1		

Appendix 40 DoseSR (Output for Exposure Dose Management)	Appx IN40-1	Appendix 41 Nothing	Appx IN41-1
1. Software Setup	Appx IN40-2	Appendix 42 Nothing	Appx IN42-1
1.1 Setup of Information on This Equipment...	Appx IN40-2	Appendix 43 Nothing	Appx IN43-1
1.2 Registering the Exposure Dose Management System.....	Appx IN40-4	Appendix 44 Nothing	Appx IN44-1
1.3 Setting up the Exposure Dose Management System Output.....	Appx IN40-7	Appendix 45 Nothing	Appx IN45-1
2. Verification	Appx IN40-8	Appendix 46 Nothing	Appx IN46-1
2.1 Starting the DR-ID 800CL-AP	Appx IN40-8	Appendix 47 Nothing	Appx IN47-1
2.2 Verifying Sending of Exposure Dose Information When Finishing QA	Appx IN40-9		
2.3 Verifying Sending of Exposure Dose Information When Redistributing Study	Appx IN40-9		
3. Setup File Backup.....	Appx IN40-9		

PC: Performance Check

DR-ID 800CL Performance Checklist.....	PC-1
DR-ID 800CL System Configuration List.....	PC-2

BLANK PAGE

BLANK PAGE

BLANK PAGE

DR-ID 800CL Service Manual

Safety Precautions

Control Sheet

Issue date	Revision number	Reason	Pages affected
12/14/2012	01	New release (FM6115)	All pages

1. Safety Precautions

■ Precautions to be observed during operations

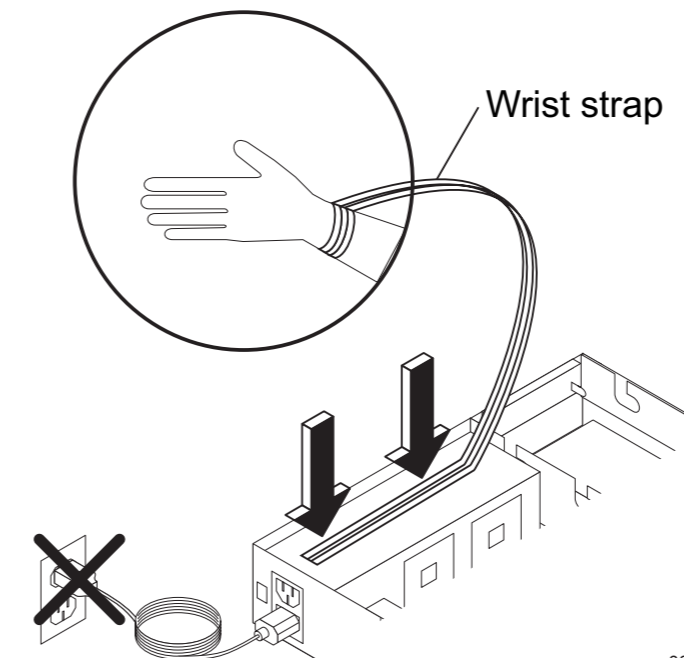
To prevent danger to humans and serious accidents, observe the following.

WARNING

- **Unless indicated otherwise, be sure to turn off the power switch before maintenance work, and disconnect the power plug from the outlet.**
Even if the power switch is OFF, 100 to 240VAC (differs according to machine specifications) will still be supplied to the primary input terminal of the unit if the power cable is connected, and this may result in possible electric hazards.
- **As neckties, scarves, and necklaces may get caught in the unit during work, remove these items or take precautions against such accidents.**
- **Never modify the unit unless otherwise specified.**
Modification of the safety unit (interlock, breaker, temperature fuse, etc.) will cause serious problems as it is not only dangerous but violates the related laws and regulations.

◆◆ CAUTIONS ◆◆

- **The grounding wire must be connected.**
- **To avoid damages to the parts/units due to static discharge, use a wrist strap putting one end on your wrist and the other end on the grounded section of the equipment, as illustrated below.**
- **When doing so, make sure to unplug the power connector from the socket to avoid electrical hazards.**



00010003.EPS

- **When performing settings for several software programs, ensure that applications other than those of specified procedures must have been shut down appropriately.**

■ Shock Hazard Precautions

● Control Unit

When installing, using, or servicing the Control Unit (hereinafter referred to as the PC), observe the following precautions. For details, refer to the User's Guide, which is supplied with the PC.

- Prevention of electric shock

● LCD



A high voltage is applied to the inside of the LCD monitor. To avoid safety hazards such as electric shock hazard, never access the interior of the LCD. The LCD monitor has no parts that can be serviced by a service engineer.

● Power supply



When supplying power to system components, do not use a multi-outlet power strip or extension cable because the capacity of such a power strip or extension cable may be exceeded to create a fire hazard or shock hazard.

■ Installation Precautions

When installing, using, or servicing the PC, observe the following precautions. For details, refer to the User's Guide, which is supplied with the PC.

● Installation site

Exercise care so that no dust or foreign matter enters an opening in the PC or the interior of the PC. Do not install the PC near a heating device or other heat source. When mounting the PC on a floor, ensure that it is positioned at least 5 cm above the surface of the floor.

● Precautions to observe when servicing the interior of the PC

- (1) Turn off the PC, monitor, and other currently used peripheral devices.
- (2) Disconnect the power cord from the power outlet (to avoid electric shock hazard).
- (3) Open the I/O panel on the rear of the PC main body, and touch a metal surface to discharge any static buildup on your body before accessing the interior of the PC.
- (4) If it is necessary to remove, for instance, a circuit board or a memory module, handle it without directly touching its connector or IC pin and place it in an antistatic bag.

● Environmental conditions

Avoid installing the machine at the following places:

- Places where the temperature changes drastically
- Places near heaters or other heat sources
- Places where the machine is likely to be wet or submerged
- Places where the machine is likely to come into contact with any corrosive gas
- Dusty or dirty places. Places where the machine is subjected to constant vibration or shock.
- Places where the machine is subjected to excessive vibration or shock. Places exposed to direct sunlight

Also, be sure that the monitor is not installed at the following places:

- Places where the monitor is surrounded, such as in a rack case
- Places where the display surface is exposed to direct sunlight
- Places near a transformer, another monitor, a power line, or a 0.02 Gauss or more of AC magnetic field

■ Connection Precautions

WARNING

Be sure that only specified external devices are connected to the apparatus.

■ Isolation Precautions

WARNING

To assure complete system isolation, do not install unspecified accessories or options.

■ Disinfection Precautions

WARNING

Make sure that a legal limit is not exceeded by the respiratory concentration of an employed disinfectant containing a solvent. Some disinfectants may pose a hazard to human health. Before using any disinfectant, be sure to thoroughly read its documentation.

WARNING

Do not use the following disinfectants. If you use them, the apparatus becomes damaged so that the quality, performance, and safety of the apparatus cannot be guaranteed.

- *Chlorine disinfectants that readily corrode metals and rubber members.*
- *Disinfectants that are described in their documentation as being inapplicable to metals, plastics, rubber members, and paints.*
- *Formalin gases or spray-type disinfectants that may enter the apparatus.*

It is recommended that ethanol for disinfection be used as a disinfectant. Before using a disinfectant, thoroughly read its documentation.

■ Cleaning Precautions

CAUTION

For exterior cleaning, use a cloth moistened with neutral detergent or ethanol. Do not use thinner, benzine, or other similar solvent because the exterior will corrode.

2. Electromagnetic Compatibility (EMC)

2.1 Electromagnetic Compatibility (EMC) Related Standard

As required by IEC 60601-1-2:2001+A1:2004/EN 60601-1-2:2001+A1:2006, this equipment complies with the following internationally recognized standard regarding Electromagnetic Compatibility (EMC).

EMC standard : IEC 60601-1-2:2001+A1:2004

This does not guarantee that there is no harmful electromagnetic interference under any installation environment.

This equipment can generate, use and radiate radio frequency energy. If the equipment is not installed and used in accordance with the instructions, or if peripheral devices that are not complied with the EMC standard, harmful interference may be generated under a particular environment causing malfunction of the equipment and other devices. If this equipment causes harmful interference to other devices, or if this equipment is affected by interference from other devices, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the device.
- Increase the separation between the equipment.
- Connect the equipment into an outlet on a circuit different from that to which the other device(s) are connected.

If the problem cannot be solved with the above measures, stop using this equipment and consult the manufacturer or our official dealer for help.



WARNING

Do not place devices generating electromagnetic wave near this equipment.

This Service Manual contains the names of standards applied in IEC 60601-1-2.

The names of standards applied in EN 60601-1-2 are replaced as follows.

IEC 60601-1-2 (descriptions in this Service Manual)	Standards applied in EN 60601-1-2
CISPR 11	EN 55011
IEC 61000-3-2	EN 61000-3-2
IEC 61000-3-3	EN 61000-3-3
IEC 61000-4-2	EN 61000-4-2
IEC 61000-4-3	EN 61000-4-3
IEC 61000-4-4	EN 61000-4-4
IEC 61000-4-5	EN 61000-4-5
IEC 61000-4-6	EN 61000-4-6
IEC 61000-4-8	EN 61000-4-8
IEC 61000-4-11	EN 61000-4-11

2.2 Further information for IEC 60601-1-2: 2001+A1:2004

- (1) Medical electrical equipment is subject to special precautions regarding EMC. The equipment must be installed and put into service according to the EMC information provided in Tables 1 to 4.
- (2) Portable and mobile RF communications equipment can affect medical electrical equipment.
- (3) Information regarding the cable affecting EMC is as follows.

Name	Maximum Length	General Specification
Network Cable	100m	Cat5e or more, UTP type and straight cable
Power Cable	Depends on the cable length of a personal computer.	

- (4) The use of accessories, transducers and cables other than those specified, with the exception of transducers and cables sold by FUJIFILM Corporation as replacement parts for internal components, may result in increased emissions or decreased immunity of the equipment.
- (5) The equipment should not be used adjacent to or stacked with other equipment.
If adjacent or stacked use is necessary, the equipment should be observed to verify normal operation in the configuration in which it will be used.
- (6) Test items (Tables 1 to 4)

Table 1

Guidance and manufacturer's declaration - electromagnetic emissions		
The Console is intended for use in the electromagnetic environment specified below. The customer or the user of the Console should assure that it is used in such an environment.		
Emissions test	Compliance	Electromagnetic environment - guidance
RF emissions CISPR 11	Group 1	The Console uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class A	The Console is suitable for use in all establishments other than domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class D	
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Does not comply	

Table 2

Guidance and manufacturer's declaration - electromagnetic immunity			
The Console is intended for use in the electromagnetic environment specified below. The customer or the user of the Console should assure that it is used in such an environment.			
Immunity test	EN/IEC test level	Compliance level	Electromagnetic environment - guidance
Electrostatic discharge (ESD) IEC61000-4-2	±6kV contact	±6kV contact	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
	±8kV air	±8kV air	
Electrical fast transient/burst IEC61000-4-4	±2kV for power supply lines	±2kV for power supply lines	Mains power quality should be that of a typical commercial or hospital environment.
	±1kV for input/output lines	±1kV for input/output lines	
Surge IEC61000-4-5	±1kV between lines	±1kV between lines	Mains power quality should be that of a typical commercial or hospital environment.
	±2kV between line and contact	±2kV between line and contact	
Voltage dips, short interruptions and voltage variations of power supply input lines IEC61000-4-11	<5% U_T (>95% dip in U_T) for 0.5 cycles	<5% U_T (>95% dip in U_T) for 0.5 cycles	Mains power quality should be that of a typical commercial or hospital environment. If the user of the Console requires continued operation during power mains interruptions, it is recommended that the Console be powered from an uninterruptible power supply or a battery.
	40% U_T (>60% dip in U_T) for 5 cycles	40% U_T (>60% dip in U_T) for 5 cycles	
	70% U_T (30% dip in U_T) for 25 cycles	70% U_T (30% dip in U_T) for 25 cycles	
	<5% U_T (>95% dip in U_T) for 5 cycles	<5% U_T (>95% dip in U_T) for 5 cycles	
Power frequency (50/60Hz) magnetic field IEC61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NOTE: U_T is the a.c. mains voltage prior to application of the test level.			

Table 3


Guidance and manufacturer's declaration - electromagnetic immunity			
The Console is intended for use in the electromagnetic environment specified below. The customer or the user of the Console should assure that it is used in such an environment.			
Immunity test	EN/IEC test level	Compliance level	Electromagnetic environment - guidance
Conducted RF IEC61000-4-6	3 Vrms 150 kHz to 80 MHz	3 Vrms	Portable and mobile RF communications equipment should be used no closer to any part of the Console, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. <u>Recommended separation distance</u> $d = 1.2 \sqrt{P}$ $d = 1.2 \sqrt{P}$ 80 MHz to 800 MHz $d = 2.3 \sqrt{P}$ 800 MHz to 2.5 GHz where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, ^a should be less than the compliance level in each frequency range. ^b Interference may occur in the vicinity of equipment marked with the following symbol: 
Radiated RF IEC61000-4-3	3 V/m 80 MHz to 2.5 GHz	3 V/m	
NOTE 1: At 80 MHz and 800 MHz, the higher frequency range applies.			
NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.			
a Field strength from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Console is used exceeds the applicable RF compliance, the Console should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the Console.			
b Over the frequency range 150 kHz to 80 MHz, field strength should be less than 3 V/m.			

Table 4

Recommended separation distances between Portable and mobile RF communications equipment and the Console			
<p>The Console is intended for use in the electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the Console can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the Console as recommended below, according to the maximum output power of the communications equipment.</p>			
Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $d = 1.2 \sqrt{P}$	80 MHz to 800 MHz $d = 1.2 \sqrt{P}$	800 MHz to 2.5 GHz $d = 2.3 \sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23
<p>For transmitters rated at a maximum output power not listed above, the recommended separation distance d in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.</p> <p>NOTE 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.</p> <p>NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.</p>			

3. Caution for Handling Personal Information

- **Discarding the Equipment**

When disposing of the DR-ID 800CL, be sure to completely discard any private information stored on it.

- **When to Obtain and to Bring Out Personal Information**

Follow the operating procedures under the Private Information Protection Law and prescribed by your local FUJIFILM representative. When you collect logs, use such as a security-ensured jig provided by your local FUJIFILM representative, and handle the medium with adequate care.

BLANK PAGE

DR-ID 800CL Service Manual

Product Specifications

Control Sheet

Issue date	Revision number	Reason	Pages affected
12/14/2012	01	New release (FM6115)	All pages
08/30/2013	03	Revision for V7.3 (FM6189)	1

1. Equipment Specifications

1.1 Optional Components

Product Code	Description	Q'ty	Remarks
DX CL DICOM PRINT	DICOM print Key Disk	1	*1
DX CL DICOM ORDER MWM	DICOM Worklist (MWM) Key Disk	1	*1
DX CL DICOM ID MWM	DICOM worklist (MWM) Key Disk (only for patient information)	1	
DX CL DICOM MPPS	DICOM PPS Key Disk	1	
DX CL DICOM COMMITMENT	DICOM Commitment Push Key Disk	1	
DX CL SHUTTER-PROC	Shuttering Processing Key Disk	1	*1
DX CL GPR	Grid pattern removal processing key Disk	1	*1
DX CL RETAKE ANALYSIS	Retake Analysis key Disk	1	*1
DX CL RUQC	Image Reader QC key Disk	1	
DX CL SIMPLE ORDERING	Simple ordering key Disk	1	
DX CL MOTION DETECTION	General exposure motion detection function key Disk	1	

*1 : Configuration option of DX CL 800CL OP KIT

1.2 Dimensions/Weight

	Dimensions (height × width × depth)	Weight
PC (AR2000 Model 420F)	50 × 178 × 175 (mm)	2.0kg
Monitor (ET1589L-8CJB-1-T-G)	266 × 338 × 38.3 (mm)	3.6kg

1.3 Environmental Conditions

	Condition	Temperature	Humidity
PC (AR2000 Model 420F)	Operating	5°C - 45°C	5% - 90%H (No dew condensation)
	Non-operating	-20°C - 60°C	5% - 95%H (No dew condensation)
Monitor (ET1589L-8CJB-1-T-G)	Operating	0°C - 50°C	0% - 80%H (No dew condensation)
	Non-operating	-20°C - 60°C	0% - 80%H (No dew condensation)

Increase humidity appropriately if it is too dry to operate the equipment.

1.4 Electrical Specifications

	Input Voltage	Max. power consumption
PC (AR2000 Model 420F)	DC16 - 24V	75W
Monitor (ET1589L-8CJB-1-T-G)	DC12V	40W

1.5 Applicable Standards

PC IEC 60950-1
Monitor IEC 60950-1

1.6 Network Cable

Use an IEC950/UL1950-compliant UTP cable of enhanced category 5 or higher.

1.7 Equipment Disposal

When disposing of the DR-ID 800CL, be sure to completely discard any private information stored on it.

BLANK PAGE

DR-ID 800CL Service Manual

MD: Machine Description

Control Sheet

Issue date	Revision number	Reason	Pages affected
12/14/2012	01	New release (FM6115)	All pages
08/30/2013	03	Revision for V7.3 (FM6189)	3–8

1. System Configuration

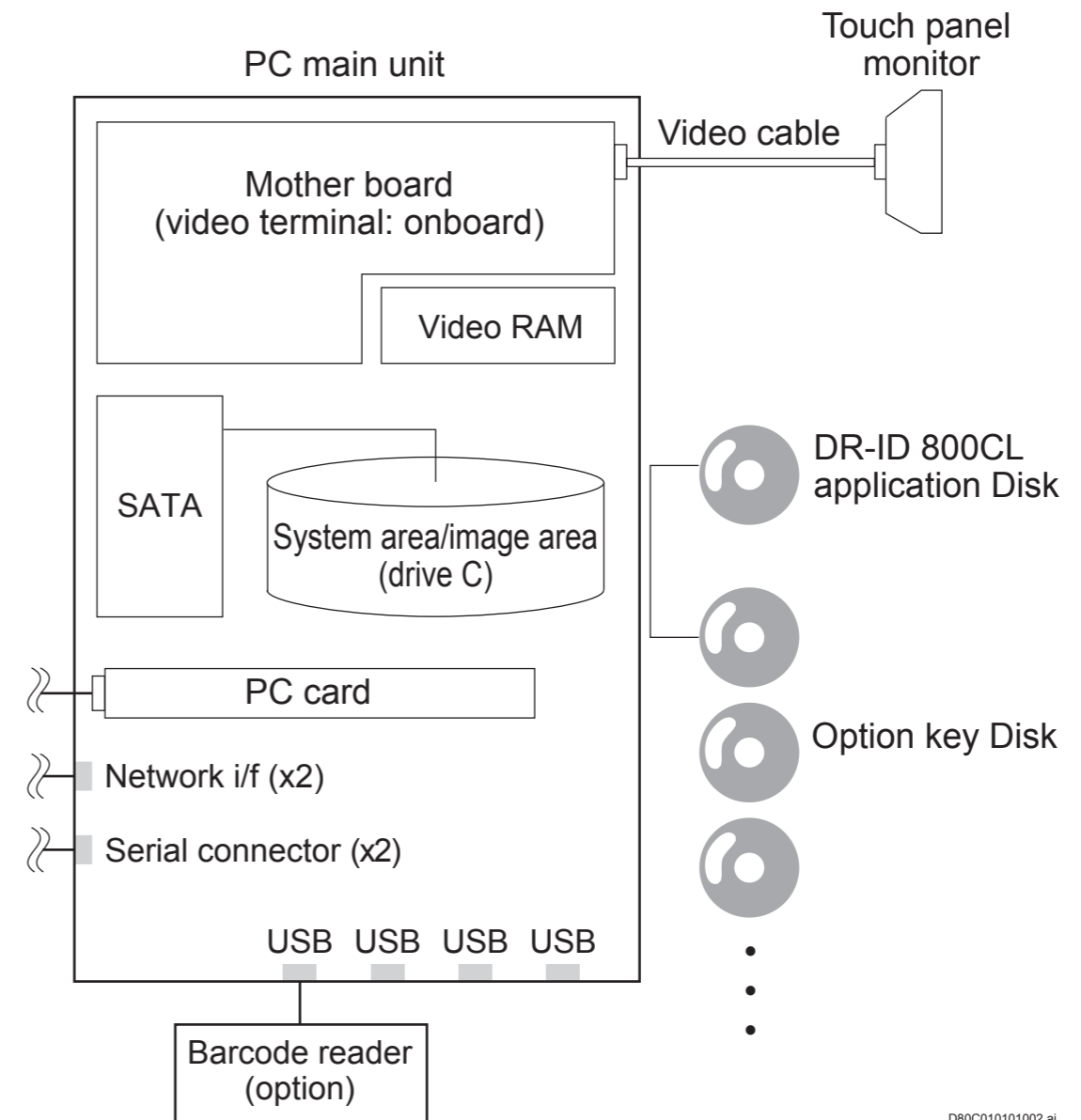
This section shows the system configuration, which includes the DR-ID 800CL application, and the operating environment for the PC.

The PC used is the following.

- PFU AR2000 model 420F

1.1 Desktop PC

1.1.1 System Configuration



D80C010101002.ai

1.1.2 Operating Environment

● PC main unit

Item	Description
CPU	Intel Core i5-520E (operation clock 2.4GHz) or higher
System memory	4GB
HDD	160GB
Internal drives	None
Expansion card slots	PC card (CardBus) x 1
Network	10/100/1000Base-T x 2 (LAN1 only, supporting PXE and WOL)
OS	Windows 7 Professional SP1 (32bit)
Port	- USB port x 4 *compliant with USB 2.0 - DVI-I x 1 - COM (RS-232C) x 2

● Monitor (15" monitor with a touch panel)

Item	Description
Display resolution	1024 × 768 pixels
Number of display colors	24-bit True-Color (16,777,216 colors)

 See the manuals supplied with 15" monitor with a touch panel.

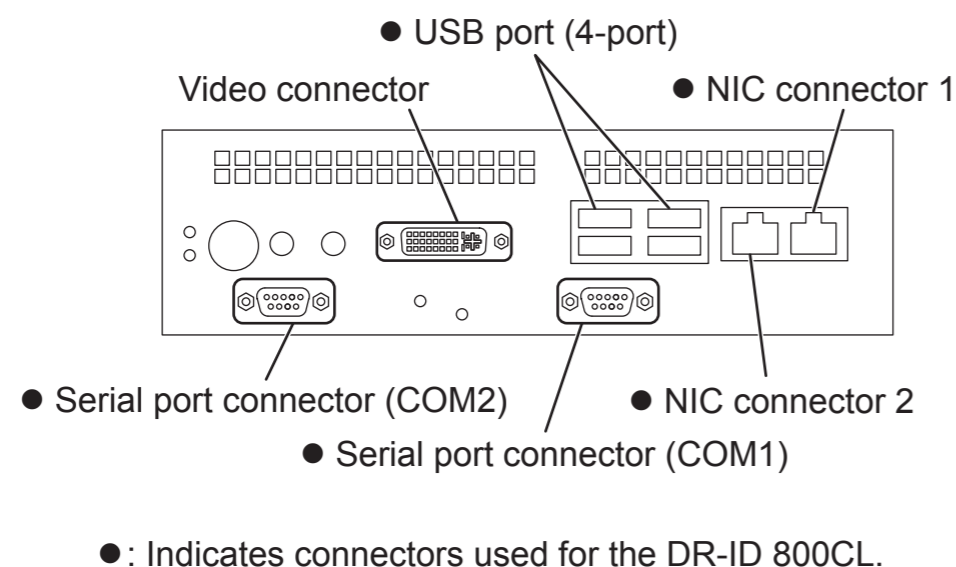
2. Connectors

This section shows the locations of the following PC connectors.

- PFU AR2000 model 420F (DC input type)

2.1 PFU AR2000 Model 420F (DC Input Type)

■ Connector configuration (PC rear panel)



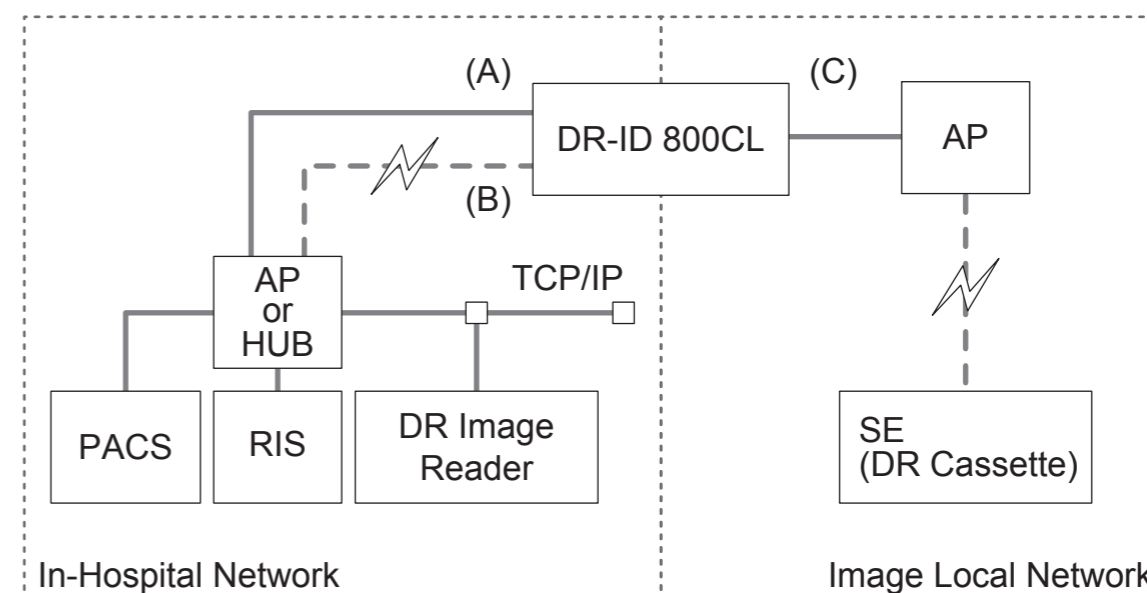
D80C010102002.ai

3. System Connection Example

This section shows an DR-ID 800CL system connection example.

◆ NOTE ◆

- When connecting DR-ID 800CL wirelessly to the in-hospital network, make encryption settings in accordance with the security policy in each hospital, and check the operations.
- When you connect or disconnect a LAN cable for the wired connection, you may do so only on the study registration window or the study list window (except RIS).
- Be sure to use the wired connection in the following cases.
 - When using the RIS trigger function.
 - When using the simple ordering.



D80C010103002.ai

- Network setting of DR-ID 800CL in the in-hospital network ((A) and (B))
 - IP address : 172.16.1.20
 - Subnet mask : 255.255.0.0
- Network setting of DR-ID 800CL in the image local network (C)
 - IP address : 192.168.0.10
 - Subnet mask : 255.255.255.0
- When connecting (A) and (B) at the same time, connect (B) via the outfit wireless LAN terminal (AP) and the wireless LAN adaptor (connected to DR-ID 800CL).

4. Software Function Overview

External equipment connections

Equipment		Description
Reader	DR cassette (single)	Up to three devices can be connected. Up to two devices can be additionally registered as spare devices. The following DR cassettes can be connected: DR-ID 601SE/602SE/611SE/613SE
Network printer		The connection protocol used is DICOM BGP/Printer SOP. The acceptable connection target is the DRYPIX 3000/4000/7000 or other specified device of a different manufacturer.
DICOM receiver		This device can deliver its output to one filing device and eight other devices. As the connection protocol, DICOM CR Image Storage, DICOM DX Image Storage and DICOM Storage Commitment can be used. The acceptable connection target is the Synapse, QA-WS776 (only DICOM CR Image storage) or other specified devices of different manufacturers.
X-CON		Only Shimadzu device is supported.
Dose-area product meter		Only one unit can be connected via X-CON. Only VacuTEC's VacuDAP can be connected.
RIS	DICOM MWM or DICOM PPS compliant device	Network connection.
Monitor	1024x768 color LCD	The touch panel function is provided.
Other	Barcode reader	Only one unit can be connected via USB.
	Full-size keyboard	Only one unit can be connected (for services).
	Mouse	Only one unit can be connected (for services).

Start of processing

Function	Description
Study list display	<ul style="list-style-type: none"> ○ Displaying the study list stored on the HDD (local worklist) ○ Displaying the DICOM worklist ○ The following processes can be performed with a study listing selected: <ul style="list-style-type: none"> • Exposure • QA • Lock • Deletion • Multi-frame forced output • Reservation of batch suspension of multiple studies (V7.3 or later)
User utility	<ul style="list-style-type: none"> ○ Exposure menu information setup/management <ul style="list-style-type: none"> • Image processing parameter • Exposure menu • Film annotation character string • Anatomical region ○ Lookup table setup /management <ul style="list-style-type: none"> • Technologist • Requesting department • Film annotation character string • Import of consumables database • User group • Comment on improperly exposed images • Anatomical region ○ Environment setup ○ Setup data backup/restore ○ Patient database utility ○ Acquisition and clearing of exposure result log ○ Customization of window display

■ Exposure

Function	Description
Study registration (reception)	<ul style="list-style-type: none"> ○ Patient information input methods <ul style="list-style-type: none"> • Software keyboard input • Local database search (300,000 items) ○ Exposure menu registration methods <ul style="list-style-type: none"> • Choosing from a displayed group of exposure menus (Two or more exposure menus can be registered.) • Choosing from a study menu ○ Registered study list management function <ul style="list-style-type: none"> • Displaying a list of registered studies • Deleting registered studies
Performing studies	<ul style="list-style-type: none"> ○ Monitor image display <ul style="list-style-type: none"> • Blackened images are displayed when the automatic shuttering process is specified. • Six images can be displayed on the same window in the list form. (V7.3 or later) ○ The QA function can be exercised with images for study selected. ○ Settings for embedding of automatic markers ○ Exposure list manipulation <ul style="list-style-type: none"> • New-exposure addition • Repeat • Duplication • Reexposure • Exposure menu change • Exposure menu parameter change • Exposure sequence change • Image change • Information change (The patient information/exposure information can be changed. The results will not be fed to the RIS.) • S value/L value warning function • Multiple studies performed at the same time ○ Automatic printing/delivery The user can choose printing/delivering exposed images successively or making prints/delivery in compliance with the instructions issued upon completion of a study or printing/delivering according to user operations. ○ Individual distribution/manual distribution (V7.3 or later) <ul style="list-style-type: none"> • Automatic distribution per image reading is temporarily stopped/restarted. • Only the selected images are distributed individually.

Function	Description
Starting an exposure (study)	<ul style="list-style-type: none"> • Choosing from the local worklist (list of registered studies) • Choosing from the DICOM worklist • Making an entry from the RIS
Temporary study suspension	An ongoing study can be temporarily suspended.
Study interruption	An ongoing study can be interrupted.
Study termination	The study ends when all the registered exposures are made.
Forwarding to QA/printing without QA	The user can choose between forwarding the studied items to QA and printing them without forwarding them to QA.
Study result management	Ordering and DICOM PPS are supported.
Setting of 2on1 or 4on1 on the study window	2on1 or 4on1 format can be set up and image position can be changed accordingly on the study window.
Support provided to PAS security	Authority (password) to change image processing parameters can be set up.
S/L values display on the study window	S/L values can be displayed at the menu display area.
Smart-QA	After inputting images, the following items are analyzed, and notification is made if malfunctions are found. <ul style="list-style-type: none"> • S value, L value • DI value • General exposure motion detection

■ QA function (QA waiting study list/QA upon study)

Function	Description
Information display/ correction	The following items of information can be handled: <ul style="list-style-type: none"> • Image information • Exposure menus • Image processing conditions • Film formats • Distribution destination selection for each study • Imaging failure setup • Output log • S/L values view function of the exposure menu display area. • Correction of patient information when ordering is used.
Image manipulation	The following image manipulation functions are supported: <ul style="list-style-type: none"> • Shuttering process • Restandardization process • Image processing change • Rotation • Marker imbedding (whether manually or automatically) • Trimming • Annotation
Operations	The following operations can be performed for images: <ul style="list-style-type: none"> • The sequence of images within a study can be changed. • The images within a study can be interchanged. • Images can be moved from one study to another. (V7.3 or later) • Images can be output. • The image erasure lock can be set. • Setup can be performed so as indicate the completion of QA. • Images can be deleted. • The image can be magnified and the full screen display is available. • Exposure menus can be additionally registered to an already delivered study. • A study waiting for QA can be forcibly exit.
Other	Window customization function

■ Image output


Function	Description
Image data output function	Output to printer <p>Images can be output automatically to one or two printers. A printer optimum for film output is selected automatically according to the “Image size” and “Film format” for the image to be output on film. The sorter function is supported. Printers connectable with the following protocols are supported:</p> <ul style="list-style-type: none"> • DICOM Print <p>The following film sizes are available for film output.</p> <ul style="list-style-type: none"> • 14”×17” • 14”×14” • 26×36cm • 10”×12” • 8”×10”
	Output to network-connected filing device <p>Only one unit of the filing device can be connected. When DICOM is used, processed images can be output. Further, DICOM Storage Commitment is supported (one unit only). Filing devices connectable with the following protocols are supported:</p> <ul style="list-style-type: none"> • DICOM CR Image Storage • DICOM DX Image Storage for Presentation
	Output to network-connected device <p>Up to eight units can be connected. When DICOM is used, processed images can be output. Filing devices connectable with the following protocols are supported:</p> <ul style="list-style-type: none"> • DICOM CR Image Storage • DICOM DX Image Storage for Presentation
Patient information log function	Patient information is logged in text format. Patient information used for exposures can be viewed with Service Utility.

■ Image processing

Function	Description	Option key
Standardization (automatic/manual)	Not applicable to image reoutputs that are generated by an external device.	Standard
Gradation processing		Standard
Spatial frequency processing		Standard
DRC		Standard
TAS		Standard
MFP		Standard
Shuttering processing	Not applicable to image reoutputs that are generated by an external device.	DX CL SHUTTER-PROC
Grid pattern removal processing	Removes moire appearing on the grid without deteriorating the image quality.	DX CL GPR
Flexible Noise Control (FNC) processing	Improves image graininess.	Standard
CRF processing		Standard

■ Other

Function	Description	Option key
Retake Analysis	<ul style="list-style-type: none"> Stores/calculates the information of exposure and improperly exposed images. Outputs the calculation data as CSV data. 	DX CL RETAKE ANALYSIS
Image Reader QC processing	Image Reader QC tool	DX CL RUQC
Supported local storage	<ul style="list-style-type: none"> Temporary storage DICOM file storage 	Standard
User interface	<ul style="list-style-type: none"> For hospitals 	Standard
Patient information protection	<ul style="list-style-type: none"> Authenticates a user at startup of the application. Limited items available for each user Entry of mis-exposure comment when canceling a mis-exposure that occurred Re-entry of a password when changing or modifying a radiographer name Automatic log-off processing 	Standard
Supported languages	<ul style="list-style-type: none"> Japanese English German French Spanish Italian Swedish Finnish Danish Norwegian Korean Chinese (Simplified) Chinese (Traditional) Portuguese Polish Hungarian Czech Russian Turkish Greek Romanian 	Standard
Date display	Displays the current date and time.	Standard

Function	Description	Option key
Logon to the Service Utility	Password entry is required when logging on to the Service Utility.	Standard
Displaying Exposure Index	Displays Exposure Index (EI) and Deviation Index (DI) for images.  “Appendix H Setting the Exposure Index Function” under “MU: Maintenance Utility”	Standard
Simple ordering	Sends/Receives order information by exchanging XML files between the ordering device and DR-ID 800CL.	DX CL SIMPLE ORDERING
Output for exposure dose management	Sends the exposure results to the dosage management system.	Standard
Switching the network setting when DR-ID 800CL-AP is operating	It becomes possible to switch the connecting network without closing DR-ID 800CL-AP at arbitrary timing by registering multiple network settings in DR-ID 800CL. (V7.3 or later)	Standard

5. Relationship between FPD and DR-ID 800CL

This section explains about the data exchange operations between the DR-ID 800CL and FPD that are performed when establishing connection between them.

◆ **NOTE** ◆

The “application” and “operating system” are abbreviated hereafter “AP” and “OS”, respectively.

5.1 Software (AP/OS) and Data Flow

■ Data flow during routine processing

- **Image data**

Images derived from FPD are transferred to the DR-ID 800CL via TCP/IP.

- **Control command**

Control commands derived from the DR-ID 800CL are sent to FPD directly via TCP/IP.

BLANK PAGE

DR-ID 800CL Service Manual

MT: Machine Troubleshooting

Control Sheet

Issue date	Revision number	Reason	Pages affected
12/14/2012	01	New release (FM6115)	All pages
08/30/2013	03	Revision for V7.3 (FM6189)	Appx MT B-1–196

1. Error Code Table

For errors occurring while the DR-ID 800CL-AP is being used, take appropriate countermeasures following the error codes (and error messages) listed herein.

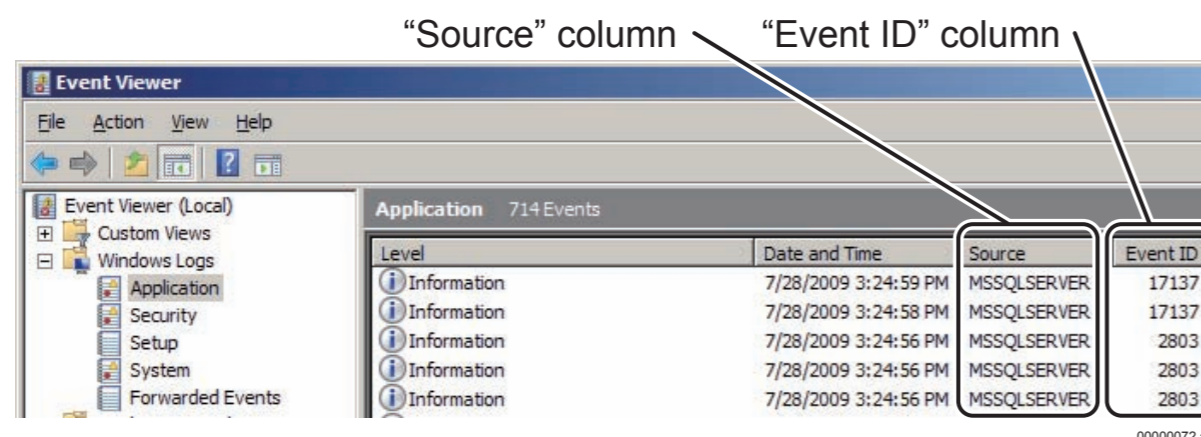
☞ See “2. Using the Event Viewer”.

1.1 Referring to Error Messages

● Event (error code) and event source name

When an error occurs, use the event and event source name information to separate the assumed causes.

The event and event source name are displayed in the “Source” and “Event” columns of the Event Viewer main window shown below.



0000072.ai

● Meaning of the event (error code)

A five-digit code displayed in the “Event” column implies the following.

A	B	C	C	C
---	---	---	---	---

- A: Error-detected process
 - 1: Module used in common in the system
 - 2: Main process
 - 3: Input process
 - 4: QA unit
 - 5: Output process, SFPD process
 - 7: UTILITY process
- B: Error level (See the Table Error Levels.)
- CCC: For error level 0 or 1, this section of the error code is provided so that it is unique in the process. For error level 2, 3 or 9, this section is unique in the control.

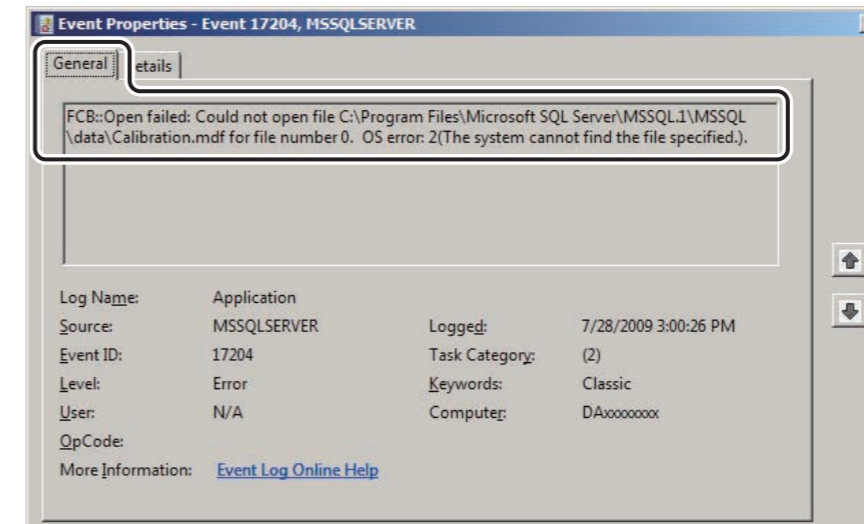
Table Error Levels

Error Level	Description
0: Fatal Error An error that fully disables system operation.	A serious, fatal problem that absolutely disables the system's stable operation. <ul style="list-style-type: none"> • DB access error • System file access file error
1: Warning An error that enables the system's operation to be continued after user intervention.	Inevitably involves user notification and the system operation can be continued by the user intervention. Causes of this error type can be assumed as follows. <ul style="list-style-type: none"> • Data file access error • Disk full • No response from the target destination for connection
2: Warning An error that enables the system's continuous operation.	A slight error that does not require user notification. The system operation can be continued with no user intervention. The following causes can be assumed. <ul style="list-style-type: none"> • Unspecified data entered from networks. (An error implying that the system can be continued being substituted by the default).
3: Information Simple information	Information that the system development section wishes to keep.
9: Logical Error Defective program	An error presumably caused by defective program. Basically, this error does not occur at user's site. The following causes can be assumed. <ul style="list-style-type: none"> • Unspecified value returned from the method • Failure in securing memory • Failure in acquiring Windows resources • Error returned from the Windows API

● **Message**

The message is description of an event.

A display message can be checked up on a window that opens by selecting the "General" tab on the "Event Properties" window shown below.



0000073.ai

- Identifying the problem cause when two or more errors encountered have the same error code

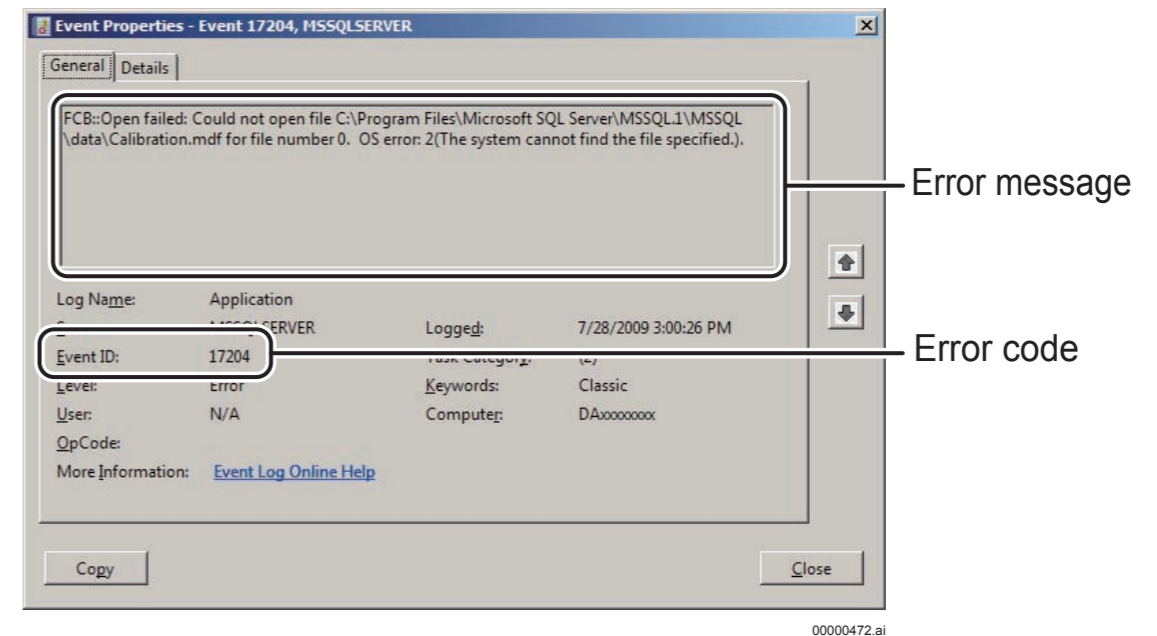
The same error code may appear on the display even when the error cause varies. If you encounter such a situation, note both the error code and error message to identify the error cause.

Event	Event Source	Description	Causes
13005	FFCustom MsgBox	MessageBox Dialog Show Error.	A message box could not be displayed. The problem is attributable to resource inadequacy or system instability
13005	FFIdFilm Mark	It failed that [%1] gets the connection string of FilmMarkDB	The FfilmMarkDB” key was not found in Directory.ini.
13005	FFId Menu Change	[%1] failed in the liberating processing of the display group data acquisition	The connection to the displaygroup table was not successfully closed.
13005	FFIdPat Infolnput	It failed that [%1] gets the SexMale caption	The “LangStrDB” key was not found in Directory.ini or the ID 30705 was not registered in the character string data base.
13005	FFIplnput	It failed that [%1] connects to STRDB	The connection character string was not properly registered for the “LangStrDB” key in Directory.ini.
13005	FFIpcInf	[%1] It failed in _beginthread(%2).	Main thread creation was no successful. The problem is attributable to resource inadequacy or system instability.

* There are two or more occurrences of the same error code (event).

To identify the error cause, perform the following procedure:

1. Start the Event Viewer.
2. Open the Event Properties window.
 - ☞ For details the procedure for opening the above window, see “2.4 Details of Events”.
3. See both the error code and error message, and then locate the associated error description in the error message table.
 - ☞ For error messages, see “Appendix B DR-ID 800CL Error Message Table”.



1.2 Precautions

- An error such as incorrectly entered image processing parameters will not be handled as an error.
- The correlation between the error level (the second digit of an error code number) of DR-ID 800CL-generated errors and that assumed by Windows (Event Viewer) is as follows.

Error level	Error level assumed by Windows
0 : Fatal Error	EVENTLOG_ERROR_TYPE
1 : Warning	EVENTLOG_WARNING_TYPE
2 : Warning	EVENTLOG_WARNING_TYPE
3 : Information	EVENTLOG_INFORMATION_TYPE
9 : Logical Error	EVENTLOG_ERROR_TYPE

1.3 Error Message

 For error messages, see [“Appendix B DR-ID 800CL Error Message Table”](#).

2. Using the Event Viewer

The Windows Event Viewer is used for checking details of errors occurring with Windows or the DR-ID 800CL-AP. How to use the Event Viewer is described herein, together with the startup procedures.

2.1 Overview of the Event Viewer

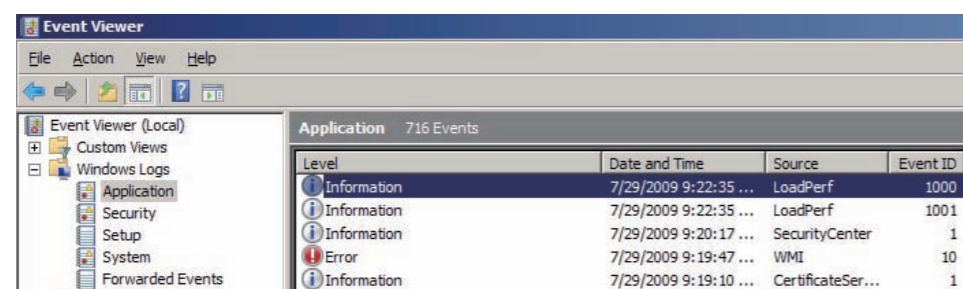
A variety of information items, such as resource information, system operation status and application errors occurring with Windows, are recorded (logged) to the Event Viewer.

Causes of errors that occur can be specified from the following logs.

- Application Log
- System Log
- Security Log

The DR-ID 800CL-AP error information is recorded to “Application” under the “Windows Logs”.


To display the DR-ID 800CL-AP error information, select the “Windows Logs” – “Application” from the tree menu of the Event Viewer main window shown below.



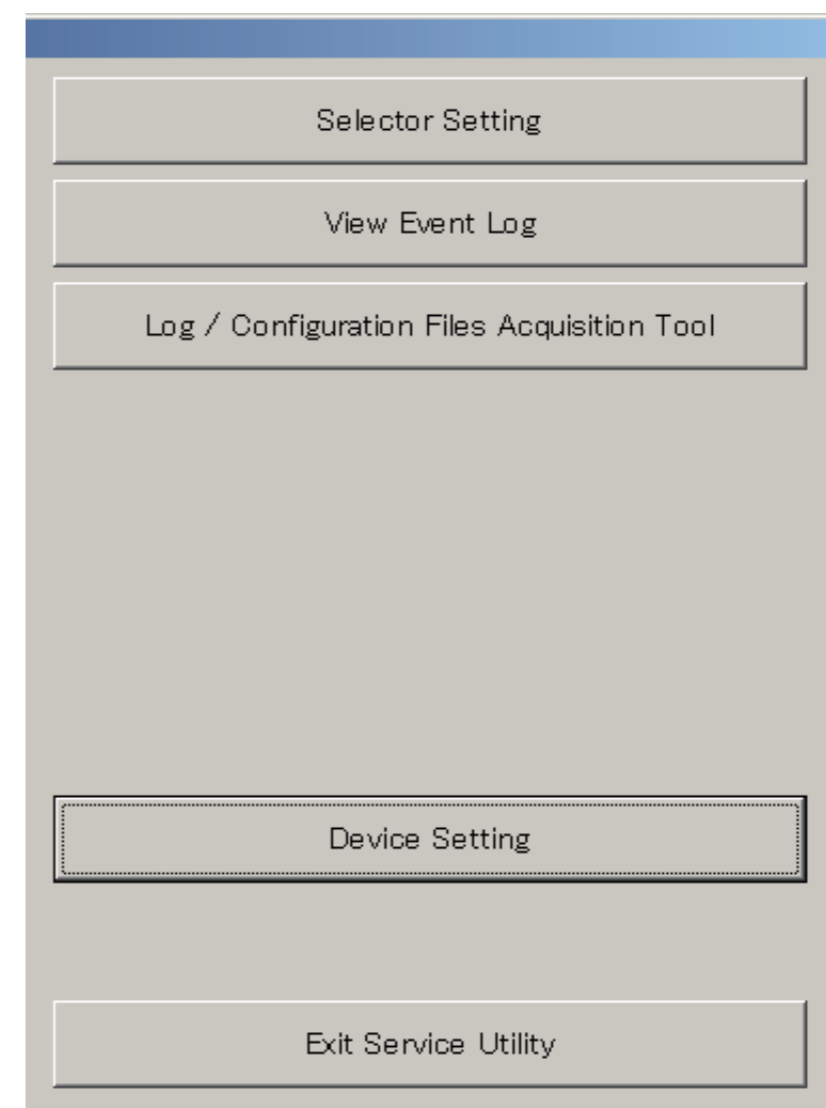
00000371.ai

2.2 Starting the Event Viewer

1. Start up the DR-ID 800CL Service Utility mode.

 For details of DR-ID 800CLs Service Utility mode startup, see “1. Starting/Exiting the Service Utility” in “MU: Maintenance Utility”.

→ The “IIP Service Utility” window opens.



DXL02020001.ai

2. Click **View Event Log**.

→ The Event Viewer main window opens.

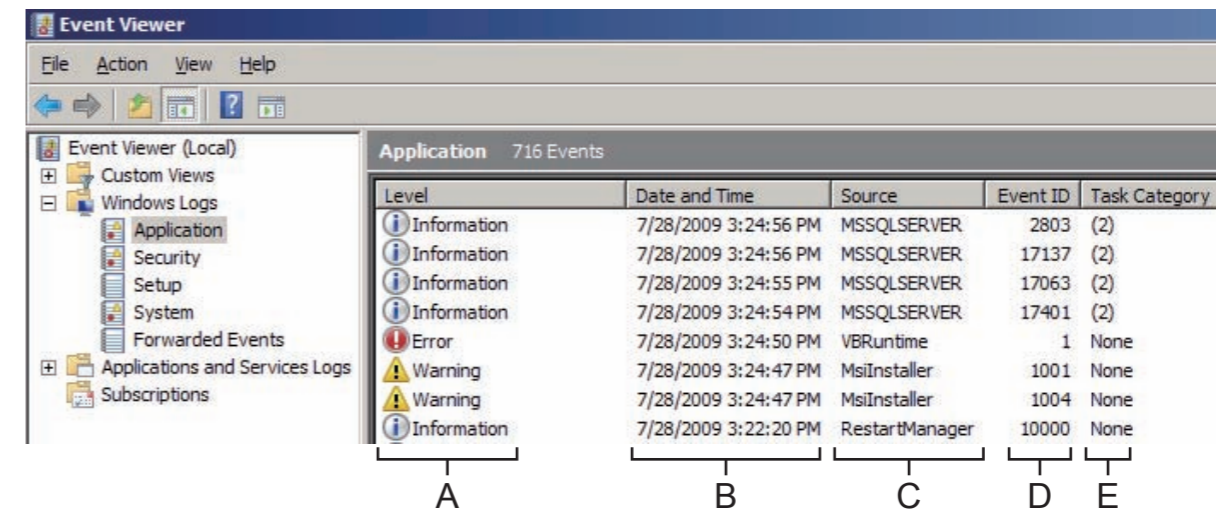
➔ **REFERENCE**

Use the following procedures if you cannot start up the Event Viewer from the Service Utility mode.

1. From the “Start” menu at the lower left of the desktop window, select “Control Panel” to display the “Control Panel” window.
2. Double-click “Administrative Tool” to display the “Administrative Tool” window.
3. Double-click “Event Viewer”. The Event Viewer starts up.

2.3 Configuration and How to View the Event Viewer

Explained herein are the Event Viewer’s screen configuration (shown below) and how to view it.



00000375.ai

A Level:

Symbol	Meaning	Description
	Error	Displayed when a fatal error, such as failure in device driver or service startup, or loss of data, occurs while the system is running.
	Information	Displayed to indicate that the system has started normally being successful in startup of services or remote access.
	Warning	Displayed to indicate that the Warning can be attributable to the cause of the error that has occurred.

B Date and Time : The date and time when an event occurs.

C Source : The source application that wrote an event.

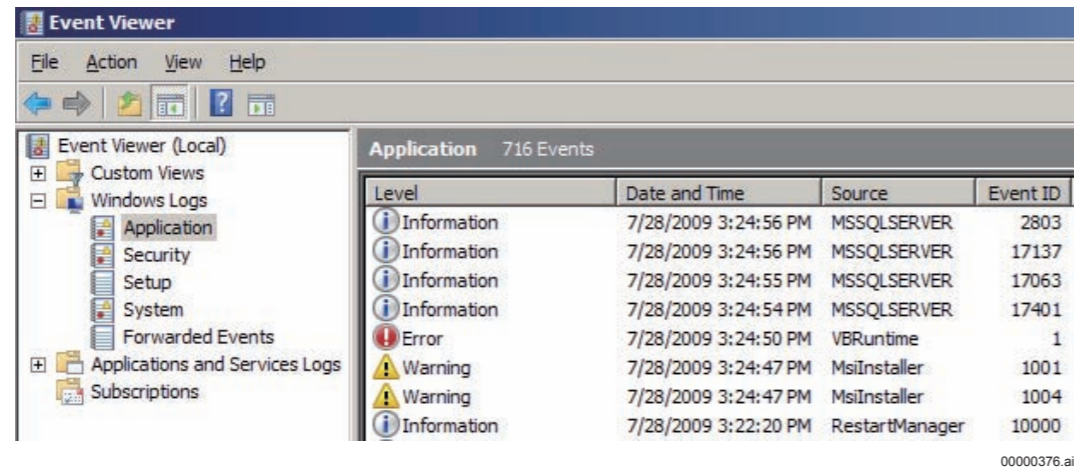
D Event ID : Event ID

E Task Category : Event category

2.4 Details of Events

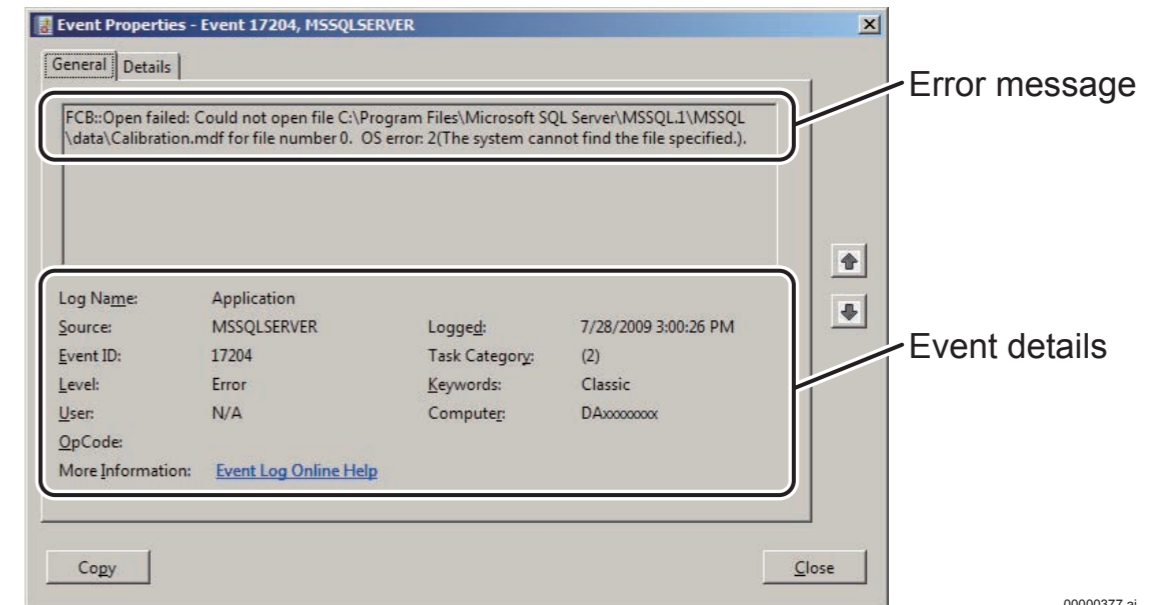
Described below are the procedures used for checking detailed event information.

1. On the Event Viewer main window, double-click the log you wish to display.



→ The “Event Properties” window opens.

2. Check detailed information of an event.



3. Click **Close**.

→ The system returns to the “Event Viewer” window.

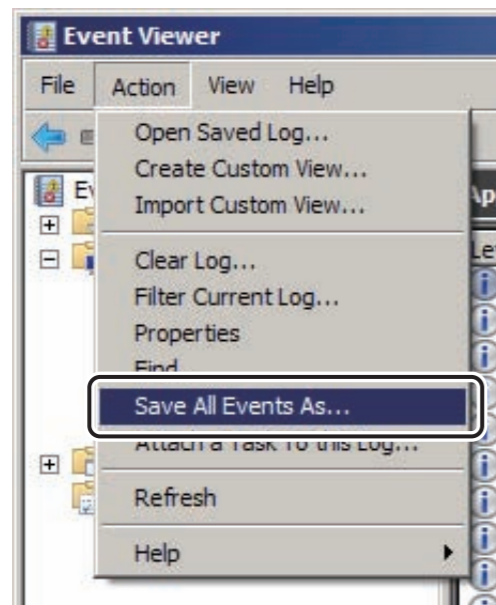
2.5 Saving the Event Log

How to save event logs is explained below.

◆ NOTE ◆

Be sure to have media (FD, USB memory stick or the like) ready to use for saving event logs.

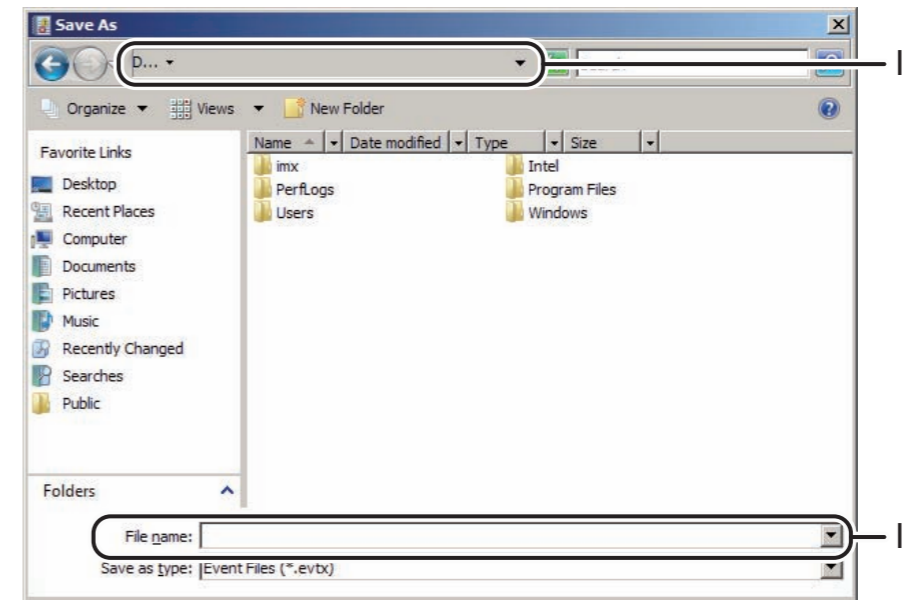
1. Insert the media used for saving event logs into the Mobile X-ray Unit.
2. From the “Action” menu of the Event Viewer main window, select “Save All Event As...”.



DXL02020005.ai

→ The “Save As” window opens.

3. Select or enter the following.



00000379.ai

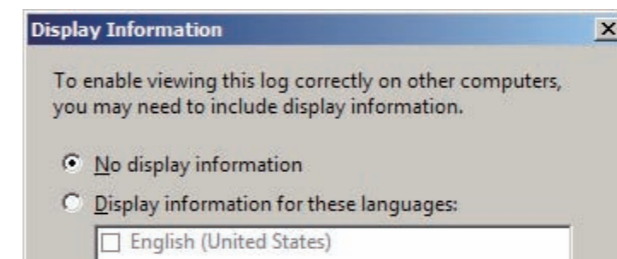
- I. Select a media drive used for saving event logs.
- II. Enter the filename (e.g.: log).

➔ REFERENCE

If “Text (Tab Separation)” is selected for “Save as Type”, event logs can be saved as text files.

4. Click .

→ The “Display Information” window opens.



00000473.ai

5. Click .

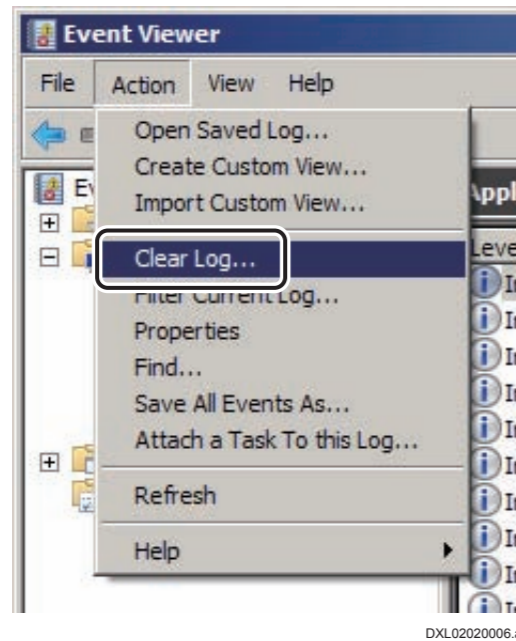
→ The system returns to the “Event Viewer/Application” window.

6. Remove the media from the Mobile X-ray Unit.

2.6 Deleting the Event Log

How to delete event logs are explained below.

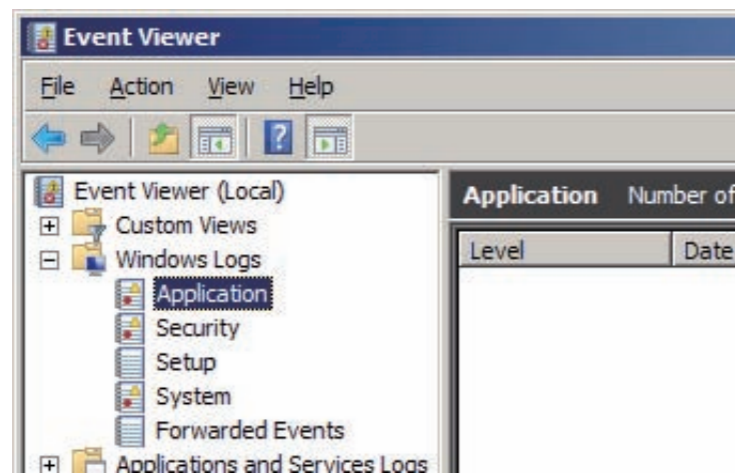
1. From the “Action” menu of the Event Viewer window, select “Clear Log...”.



→ A window opens prompting you to confirm the data to be saved.


2. Click .

→ The system returns to the “Event Viewer/Application” window, deleting thus all event logs.



2.7 Quitting the Event Viewer

How to quit the Event Viewer is explained below.

1. Click  of the Event Viewer main window.
→ The system return to the desktop window.

3. Information Useful for Error Recovery

3.1 Precautions to be Observed During the Use of Options

If an error message of the error code RE10094 appears at DR-ID 800CL-AP startup, check the settings for the following option. Inappropriately performed settings will disable the DR-ID 800CL to operate properly.







- DX CL DICOM MPPS
- DX CL DICOM ORDER MWM
- DX CL DICOM ID MWM

The checks to be performed are detailed below:

Option key	Check
<ul style="list-style-type: none">• DX CL DICOM MPPS• DX CL DICOM ORDER MWM• DX CL DICOM ID MWM	<p>Verify that the option key is installed, and then check that the MPPS/MWM option performs DICOM settings and CONNECTING EQUIPMENT settings properly. The procedure is described below:</p> <ol style="list-style-type: none">1. With the Service Utility, open the "Setup Configuration Item" window.2. Open "NETWORK CONFIGURATION" and then "THIS HOST (IIP)".3. Check that the MPPS/MWM SCU is registered appropriately.4. Check that MPPS/MWM SCP is specified for ALL OTHER NODES.5. Check that PPS/MWM is specified for CONNECTING EQUIPMENT. <p>* Register as appropriate if no data is registered at steps 3, 4 and 5, above.</p>

4. Troubleshooting

The table below summarizes various troubles that may arise with the DR-ID 800CL. In accordance with the encountered trouble, perform a procedure indicated in the “Check Method/Remedies” column.

Symptom	Probable Causes	Check Method/Remedies
The PC (Windows) does not start up.	It is conceivable that the PC’s memory may be defective.	Check the PC’s memory. If it is defective, replace it.  For the memory check procedure, see “4.1 Trouble Diagnosis Tool (Windows Memory Diagnostics Tool)”.
The DR-ID 800CL-AP (application) does not start up.	It is conceivable that the data stored on the hard disk may be partly damaged.	Check the hard disk. If any error is revealed by the check, perform a procedure for achieving error recovery or replace the hard disk.  For the hard disk check procedure, see “4.2 Checking the Hard Disk”.
	The application does not start up because DE00001 error has occurred.	Check that the network is connected or replace the HUB and cable.
An error occurs when the DR-ID 800CL-AP starts running.	Installed options are not properly set up. [Displayed error code: RE10094]	Properly set up system options.  For details, see “3.1 Precautions to be Observed During the Use of Options”.
The Shot Ready icon is not displayed.	The selector resetup procedure is not completed.	After the host name for the built-in type equipment is changed, use the selector setup of the Service Utility to set the built-in type equipment host name again.  For the setup procedure, see “11. Setting the Selectors – Selector Setting” in “MU: Maintenance Utility”.
The LCD flickers.	The refresh frequency setting is improper.	Correct the refresh frequency setting.  For the refresh frequency setup procedure, see “4.3 Resetting the Refresh Frequency”.
The barcode reader (BCR) does not operate.	The proper driver software is not installed. Reinstalling the OS with the BCR connected to a USB port results in installation of improper driver software.	With Windows “Device Manager”, switch to the proper driver software.  For the driver software change procedure, see “4.4 Changing the Barcode Reader Driver Software”.

4.1 Trouble Diagnosis Tool (Windows Memory Diagnostics Tool)

Use “Windows Memory Diagnostics Tool” for trouble diagnosis.
”Windows Memory Diagnostics Tool” can be executed from “Windows Boot Manager”.

4.1.1 Starting and Running the Trouble Diagnosis Tool (Windows Memory Diagnostics Tool)

1. Turn ON the power switches of the DR system on the Mobile X-ray Unit.
→ DR-ID 800CL starts running.
2. Press the <F2> key when “Press F2 for System Utilities” appears at the bottom left corner of the window.

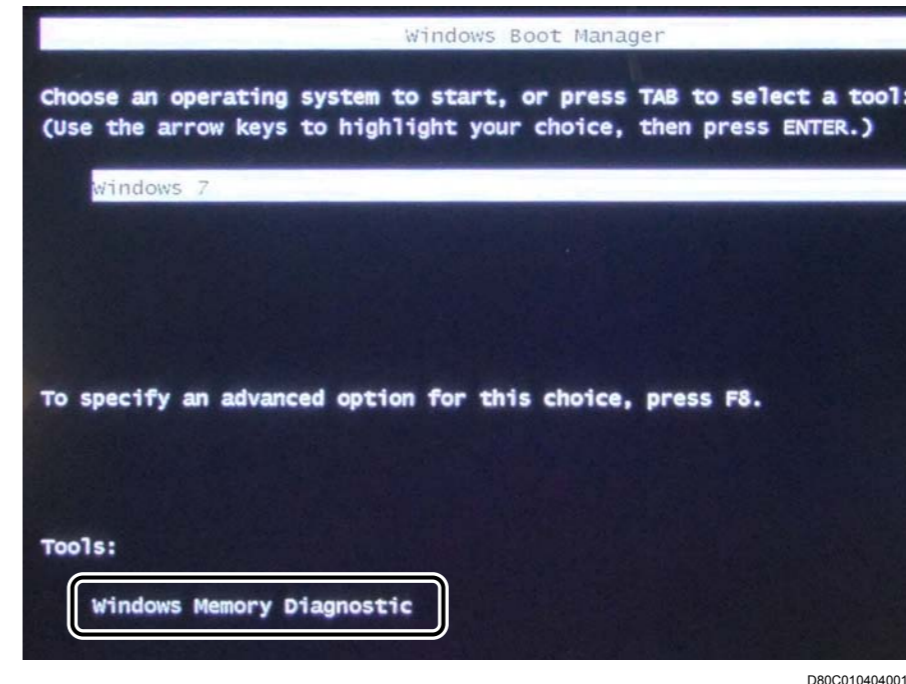
◆ NOTE ◆

If the <F2> key is not pressed with the timeliness, the setup window will not open.

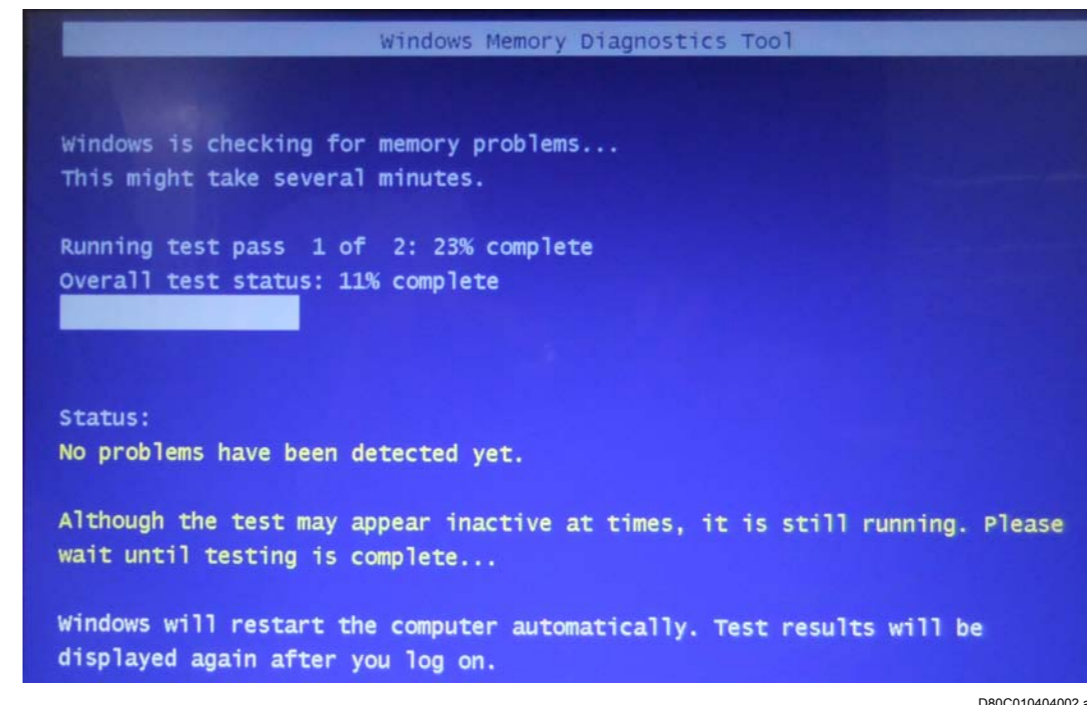
In such an instance, restart the DR-ID 800CL to perform step 2. above again.

→ The “Windows Boot Manager” window opens.

3. Select “Windows Memory Diagnostic” and then press the <Enter> key.



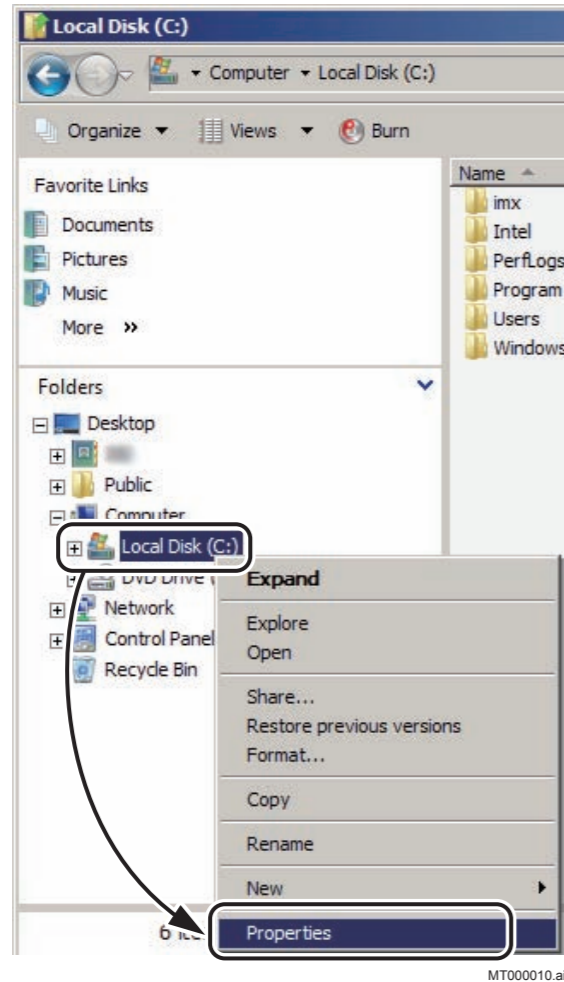
→ The “Windows Memory Diagnostics Tool” window opens, and Checking the memory starts.



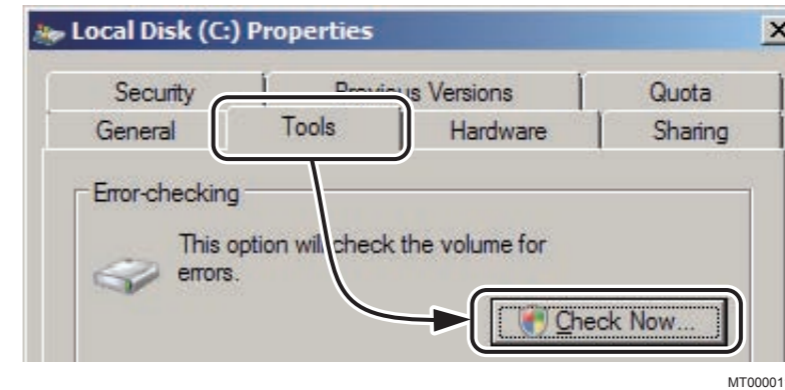
→ Upon completion of checking the memory, the DR-ID 800CL restarts.

4.2 Checking the Hard Disk

1. Start up Windows and open Windows Explorer.
2. Right-click drive C (Local Disk C:) and then choose “Properties”.



3. Choose the “Tools” tab. In the “Error-checking” area, click **Check Now...**.



4. Verify that the check boxes in the “Check disk options” area are unchecked, and then click **Start**.



→ The hard disk check starts (and it takes about 5 minutes when the disk size is 40GB).

When the hard disk is normal, Phases up to 3 will be completed and a dialog box will open to indicate the completion of the hard disk check. If the hard disk is not normal, Phases up to 3 will not be completed and a dialog box will open to indicate that the hard disk check is not completed.

4.3 Resetting the Refresh Frequency

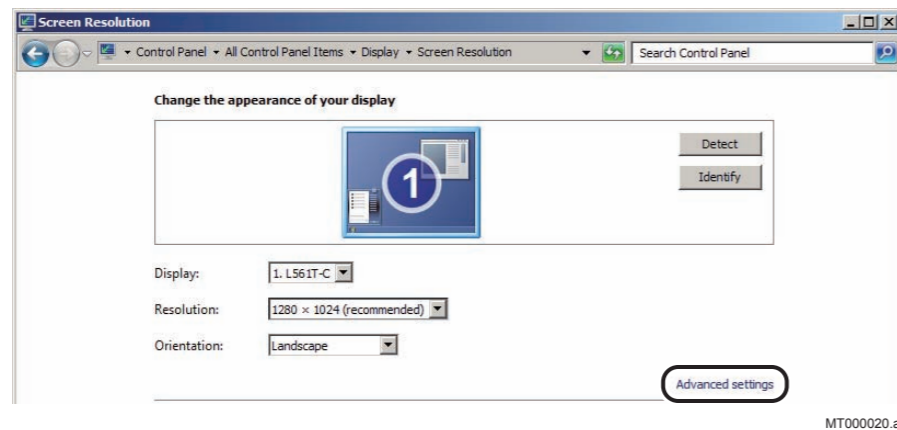
If the screen flickers, it can be restored to normal by changing the refresh frequency setting.

The refresh frequency change procedure is described below.

1. Choose “Screen Resolution” from the right-click menu on the desktop.

→ The “Screen Resolution” window opens.

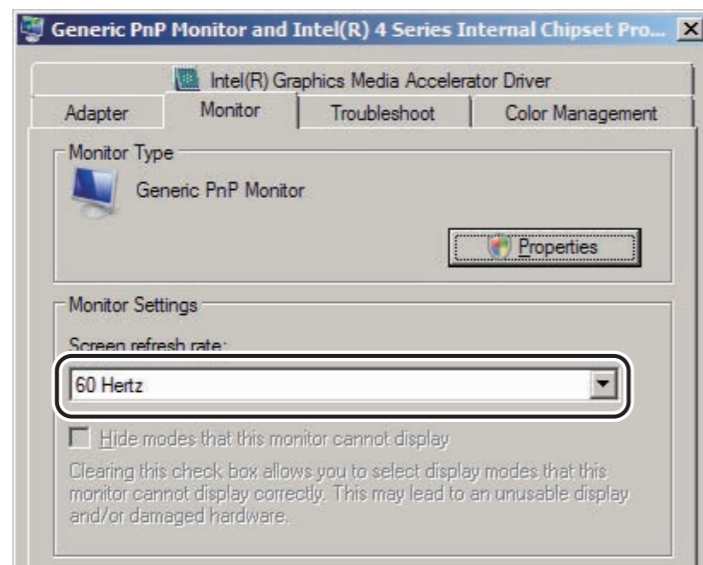
2. Click the “Advanced settings”.



→ The “Monitor Properties” window opens.

3. Click the “Monitor” tab.

4. From the “Screen refresh rate:” pull-down menu, choose “60 Hertz”.



5. Click .

→ The confirmation window opens.

6. Click .

→ The “Display Settings” window opens.

◆ NOTE ◆

If you do not click within 15 seconds, the system reverts the previous setting. Therefore, click it without delay.

7. Click  and close all windows.

→ The system returns to the desktop screen.

4.4 Changing the Barcode Reader Driver Software

If any encountered problem is attributable to the recognition of wrong driver software, use Windows “Device Manager” to check whether proper driver software is used. If improper driver software is used, replace it with proper driver software.

The driver software check/change procedure is indicated below.

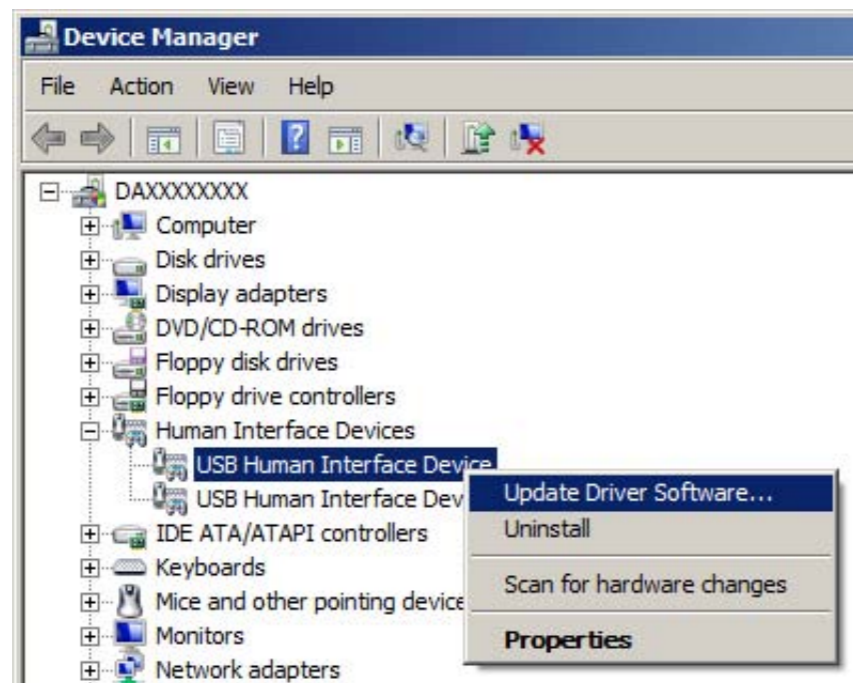
1. Select “Control Panel” from the  menu.

→ The “All Control Panel Items” window opens.

2. Click  **Device Manager**.

→ The “Device Manager” window opens.

3. Right-click “USB Human Interface Device” under “Human Interface Devices” and then select “Update Driver Software...”.

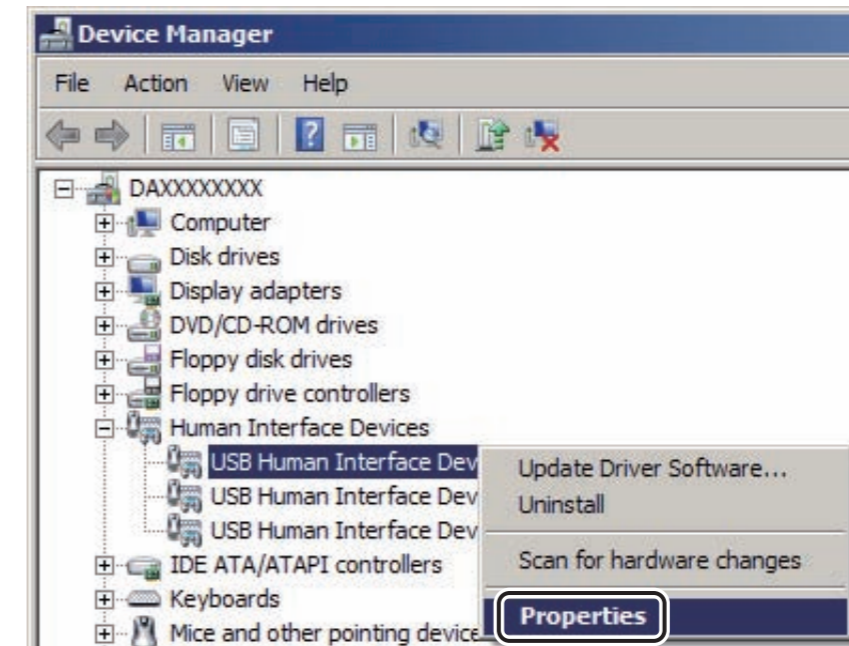


→ The “Update Driver Software - USB Human Interface Device” window opens.

◆ NOTE ◆

If “USB Human Interface Device” is displayed at several places, you must confirm that which device is “Datalogic Gryphon GD4130” with the following procedure. If a device is “Datalogic Gryphon GD4130”, “USB\VID_05F9&PID_2206” is displayed at step III.

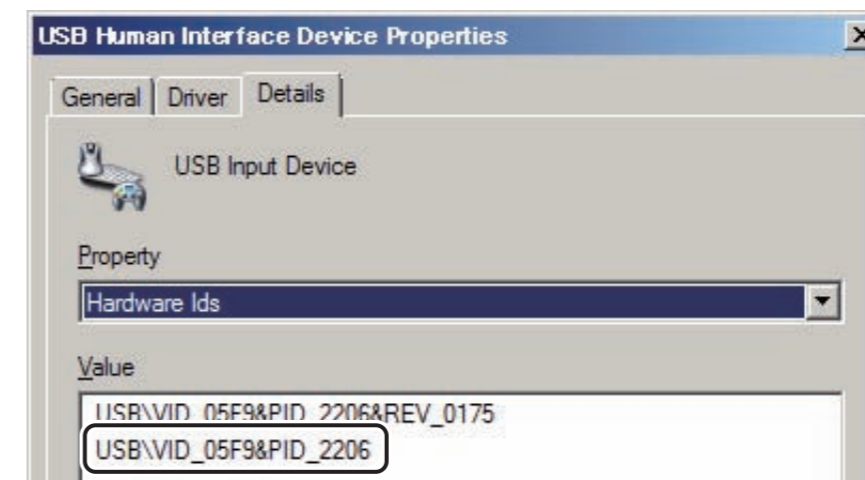
- I. Right-click “USB Human Interface Device” under “Human Interface Devices” and then select “Properties”.



→ The “USB Human Interface Device Properties” window opens.

- II. Choose the “Details” tab and then select “Hardware Ids” from the “Properties” field.

- III. Make sure that “USB\VID_05F9&PID_2206” is displayed in the “Value” field.



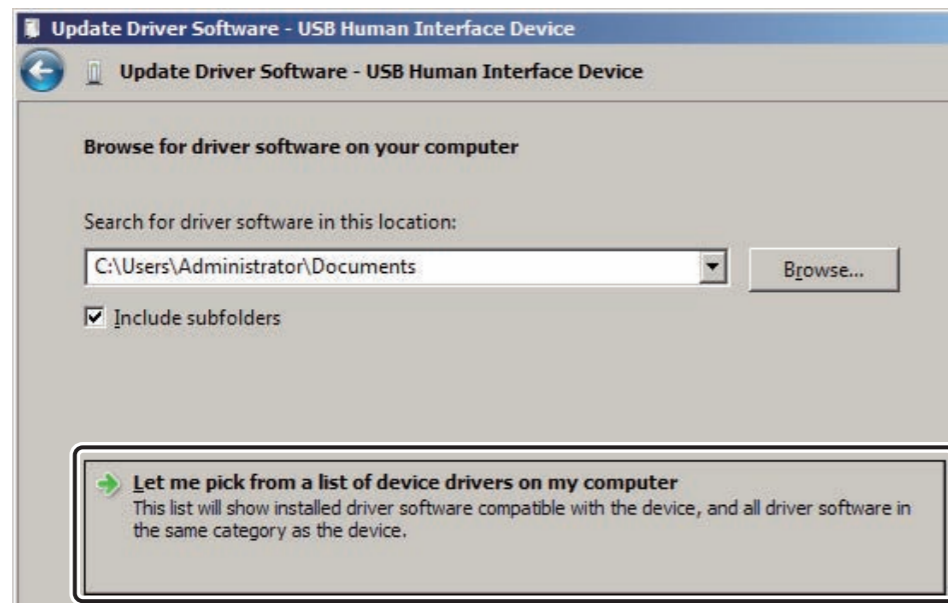
4. Select “Browse my computer for driver software”.



MT000057.ai

→ The “Browse for driver software on your computer” window opens.

5. Select “Let me pick from a list of device drivers on my computer”.



MT000058.ai

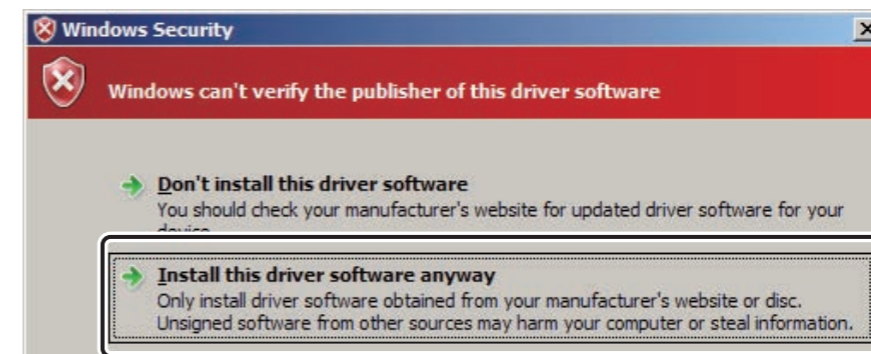
→ The “Select the device driver you want to install for this hardware” window opens.

6. Select a driver you wish to install and click **Next >**.



DXL02040008.ai

7. Select “Install this driver software anyway”.



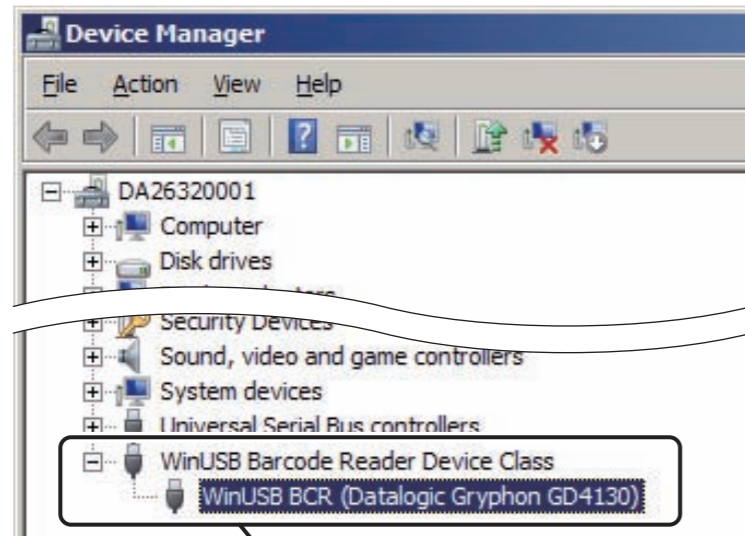
MT000059.ai

→ A window opens to indicate that installation processing has ended.

8. Click [Close].

→ The system returns to the “Device Manager” window.

9. Verify that the proper USB drivers are installed.



Example of state that the driver installed normally

D80C010204005.ai

BLANK PAGE

Appendix A Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix B DR-ID 800CL Error Message Table

Event	Event Source	Description	Causes	Remedies	Remarks
0	CslAdv_ClusteringManager	ClusteringManager Error Occured. Refer to the Application log.	Abnormality occurred in the program.	Restart the application. If the same phenomenon recurred, reinstall the system.	All details of abnormality (for example, error message and error spot) are recorded to details log.
0	CslAdv_DaemonActivity	1% 2%	Abnormality occurred in the program.	Restart the application. If the same phenomenon recurred, reinstall the system.	1%: Error message 2%: Error spot (Stackinformation)
0	CslAdv_DataEditor	{0}	Abnormality occurred in the program.	Restart the application. If the same phenomenon recurred, reinstall the system.	{0}: The name of the function which error occurred.
0	CslAdv_Delivery	Can not Open Sub Key {0}	Failed in opening registry key.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Registry key
0	CslAdv_Delivery	Can not Send SubApplication Wakeup Message	WaitOne function of signal returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	
0	CslAdv_Delivery	It Failed in Configuraion Initialization (rc={0})	Initialization function of setting returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
0	CslAdv_Delivery	Linker Control Init Method Call Error (rc={0})	Initialization function of linker returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
0	CslAdv_Delivery	Not Found Application Key	Failed in acquiring application key.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	
0	CslAdv_Delivery	OutImgPrc Control RunProc Error (rc={0})	An error was notified to the responding status of RunProcComplete event processed in OutImagePrc.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Status
0	CslAdv_Delivery	OutImgPrc Control RunProc Method Call Error (rc={0})	An error was notified to the responding status of RunProcComplete event processed in Spooler.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Status

Event	Event Source	Description	Causes	Remedies	Remarks
0	CslAdv_Delivery	Spooler Control RestoreJob Method Call Error (rc={0})	Unprocessed JOB restoration request function returned an error to Spooler.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
0	CslAdv_Delivery	Spooler Control ResumeProc Method Call Error (rc={0})	ResumeProc execution function of Spooler returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
0	CslAdv_Delivery	Spooler Control RunProc Error (rc={0})	An error was notified to the responding status of RunProcComplete event processed in Spooler.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Status
0	CslAdv_Delivery	Spooler Control RunProc Method Call Error (rc={0})	Execution function of Spooler returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
0	CslAdv_Re	Error when initializes Mwm/PPS controller	Failed in initializing Mwm/PPS Controller.	Restart DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
0		[QA00000] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
0		[RE00000] An error occurred.	An error occurred.	Press the button below to shut down the system.	
0		[TS00000] An error occurred.	An error occurred.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
0	CslAdv_Qc	Access OLE DB failed.	Failed in accessing the database.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
0		[IC00000] An error occurred.	An error occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
0	CslAdv_Delivery	Spooler Control RestoreJob Error (rc={0})	An error was notified to the responding status of RestoreJobComplete event processed in Spooler.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	{0}: Status
0	CslAdv_Bridge	-	An exception occurred in application.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
0	CslAdv_DaemonActivity	IRSLibraryException Error, sportCode = {0} [%1]	Create IRSLibrary instance error.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
0	CslAdv_DaemonActivity	Exception Error, sportCode = {0} [%1]	Constructor class AnalyseCtrl error.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
0	CslAdv_DaemonActivity	IRSLibraryException Error, sportCode = {0} [%1]	Initialize component of IRS.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
0	CslAdv_DaemonActivity	IRSLibraryException Error, sportCode = {0} [%1]	Terminate IRSLibrary error.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
0	CslAdv_DaemonActivity	Exception Error, sportCode = {0} [%1]	Terminate IRS FrameWork error.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
0	CslAdv_DaemonActivity	IRSLibraryException Error, sportCode = {0} [%1]	Synchronize analyzing IRS for image error.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
0	CslAdv_DaemonActivity	Exception Error, sportCode = {0} [%1]	Implement analyze IRS error.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
0	CslAdv_DaemonActivity	2 image is not couple Left/Right	Identify of two image is not couple left/right.	Select the left and the right menu as a pair.	
0	CslAdv_DaemonActivity	AC getter to get image information fail	Using AC getter to get image information error.	Restart DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
0	CslAdv_DaemonActivity	BC FCD to caculate adjust value fail	Using BC FCD to calculate adjust value error.	Restart DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
0	CslAdv_DaemonActivity	AC setter fail	Using AC setter to set alignment error.	Restart DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
0	CslAdv_DaemonActivity	AlignMammolImage fail	Setting align mammo image error.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
0	CslAdv_DaemonActivity	Get pair menu fail	Get pair menu error.	Restart DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
0	CslAdv_DaemonActivity	Check alignment of both menu fai	Check alignment of both menu error.	Restart DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
0	CslAdv_DaemonActivity	Image is not mammo	Image is not mammo.	Restart DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
0	CslAdv_DaemonActivity	Wrong direction	Two menu not same direction.	Select the left and the right menu as a pair.	
0	CslAdv_DaemonActivity	Menu can not align	Alignment for menu error.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
0	CslAdv_DaemonActivity	FCDAppImgCreatorWS Combine Error	Using BC::ImageProc to create image combine error.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
0	-	"Main()" "Exception Notification from UnhandledException EventHandler"	An error occurs when the startup of the UserUtility.exe application failed.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
0 to 2	ClsAdv_Tomo	1%	An error occurred when starting Tomosynthesis View.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	1%: The spot and cause error occurred
0 to 3	MenuSel	EventID (00000) AC-CGU- MenuSel:Unknown Error %1 %2	In %1 (Name of the file event occurred) and %2 (Name of the method and row number event occurred), as there is flaw in the parameter set in MenuSel, an error was returned.	As an internal error occurred, restart DR- ID 800CL. If the error occurred again, restart the PC. If the error could not be recovered, reinstall the application.	%1: Fujifilm. ConsoleAdvance. ApplicationCommon Library.GUI.MenuSel. MenuSel.Initialize() %2: Z:\Source\...\ MenuSel\MenuSel. cs:Lines 1186
0 to 22103	CslAdv_QA	1% 2%	An error occurred in QA processing.	Restart the application. If the same phenomenon recurred, reinstall the system.	1%: The name of the module error occurred 2%: The spot and cause error occurred
1	CslAdv_AC_ImgDBC	%1 %2 %3 %4 %5 %6 %7	An error occurred in ADO.	As an internal error occurred, restart DR- ID 800CL. If the error occurred again, restart the PC. If the error could not be recovered, reinstall the application.	%1: Method name %2: Various types of information %3: Error number of ADO %4: Provider-specific Error code of ADO %5: SQL status of ADO %6: ADO object name %7: Description of ADO object
1	CslAdv_AC_ImgDBCEX	CslAdv_AC_ImgDBCEX:Gen eralFailure(Fujifilm. ConsoleAdvance. ApplicationCommonLibrary. DataAccessor.ImgDBCEX. ImgDBCEXException Occuerd. Code:GeneralFailure:%1,%2	A general error occurred in the method of %1.	As an internal error occurred, restart DR- ID 800CL. If the error occurred again, restart the PC. If the error could not be recovered, reinstall the application.	%1: Method name %2: Detailed information
1	CslAdv_ClusteringManager	LogCtl2 Create Error. Msg:{0}\n{1}	Failed in initializing AC log.	Restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Error message of AC {1}: Error spot of ADO

Event	Event Source	Description	Causes	Remedies	Remarks
1	CslAdv_Delivery	Spooler Control ErrorCheckProc Method Call Error (rc={0})	Data inconsistency checking request function returned an error to Spooler.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
1	CslAdv_Delivery	Spooler Control GetCommitProcJob Method Call Error (rc={0})	Completing request function of Spooler returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
1	CslAdv_Modality	%1 %2 Initialize %3	Failed in initialization processing.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot where error occurred %3: Error details
1	CslAdv_Modality	Failed Init %1	Failed in initializing indicator.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: Indicator name.
1	CslAdv_Modality	Failed to %1.Initialize	Failed in initializing %1.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: Indicator name or status window name.
1	CslAdv_Modality	Failed to Initialize%1	Failed in initializing indicator.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: Indicator name.
1	CslAdv_ OperationManager	Lock Error GetAllLockInfo Error GetLockType Error	Failed in accessing the Lock database.	Restart the application. If the same phenomenon recurred, reinstall the system.	One of these three types is set in event content.
1	CslAdv_ SystemManager	System Error Receive	A system error message was received.	Restart the application. If the same phenomenon recurred, reinstall the system.	
1		[DE00001] Failed in initialization.	Failed in initialization.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
1		[DT00001] Key item setting error	Key item setting error	Correct the item settings.	
1		[MD00001] Failed in initialization.	Failed in initialization.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
1		[OM00001] Failed in initialization.	Failed in initialization.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
1		[QA00001] Failed in obtaining information from the setting file.	Failed in obtaining information from the setting file.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
1		[RE00001] Failed in accessing to database.	Failed in accessing to database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
1		[SM00001] Failed in initialization processing.	Failed in initialization processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
1	CslAdv_Modality	ModalityViewException Msg = Failed to Initialize FPDPanelChangeDialog	Failed in initializing the panel change dialog box.	Restart the system. If the same phenomenon recurred, reinstall the system.	
1	CslAdv_Modality	ModalityViewException Msg = Failed to Initialize panelChangeViewListener Class	Failed in initializing the panel change dialog box's event listener.	Restart the system. If the same phenomenon recurred, reinstall the system.	
1	CslAdv_Modality	Failed to execute PanelGUIInitialize	Failed in initializing the panel change dialog box.	Restart the system. If the same phenomenon recurred, reinstall the system.	
1		[WL00001] Failed in initialization.	Failed in initialization.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1		[QC00001] Failed in accessing the database.	Failed in accessing the database.	Click the close button on the QC execution window.	
1		[TS00001] Failed in initialization.	Failed in initialization.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1	CslAdv_IDAutoConvert	catch ThreadException	An exceptional event ThreadException occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1		[DA00001] An error occurred.	An error occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1		[IC00001] Failed in initialization.	Failed in initialization.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1	MegBoxSyncHelper	CslAdv_AC_ MsgBoxSyncHelper QueryChildWindow Error Illegal Message Contents: %1	An unexpected program error has occurred during display message synchronization between the smart controller and DR-ID 800CL.	Restart DR-ID 800CL. If the same kind of phenomenon occurs again, set the smart control function to OFF, or reinstall.	%1: Detailed information
1	MegBoxSyncHelper	CslAdv_AC_ MsgBoxSyncHelper QueryChildWindow Error Illegal UniqueId1: %1	An unexpected program error has occurred during display message synchronization between the smart controller and DR-ID 800CL.	Restart DR-ID 800CL. If the same kind of phenomenon occurs again, set the smart control function to OFF, or reinstall.	%1: Detailed information
1	MegBoxSyncHelper	CslAdv_AC_ MsgBoxSyncHelper QueryChildWindow Error Illegal UniqueId2: %1	An unexpected program error has occurred during display message synchronization between the smart controller and DR-ID 800CL.	Restart DR-ID 800CL. If the same kind of phenomenon occurs again, set the smart control function to OFF, or reinstall.	%1: Detailed information

Event	Event Source	Description	Causes	Remedies	Remarks
1	CslAdv_Modality	Exception occurred RollbackDDO. imageld : %1	Failed in rollback of the DDO file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: The record number of the image database.
1	CslAdv_Re	TreeView Filtering Release Error.	Failed in accessing the database.	Restart DR-ID 800CL.	
1	CslAdv_Re	TreeView Filtering Error.	Failed in accessing the database.	Restart DR-ID 800CL.	
1	CslAdv_Re	TreeView Specification Error.	Failed in accessing the database.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
1	CslAdv_Re	TreeView ImageMove Error.	Failed in accessing the database. Failed in accessing the DDO file.	Restart DR-ID 800CL.	
1	CslAdv_Re	TreeView End Error.	Failed in each closing process of DB, DDO, etc.	Restart DR-ID 800CL.	
1	CslAdv_Re	TreeView DragOverEvent Error.	Failed in accessing the database. Failed in accessing the DDO file.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
1	CslAdv_Re	TreeView DragEnterEvent Error.	Failed in accessing the database. Failed in accessing the DDO file.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
1	CslAdv_Re	TreeView DragDropEvent Error.	Failed in accessing the database. Failed in accessing the DDO file.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
1	CslAdv_Re	Initialize Exception Error.	Failed in accessing the database. Failed in accessing the DDO file.	Restart DR-ID 800CL.	
1	CslAdv_Re	Refresh Exception Error.	Failed in accessing the database. Failed in accessing the DDO file.	Restart DR-ID 800CL.	
1	CslAdv_Re	UpdateDBAndDDOByTo Tree ViewData Error.	Failed in accessing the database. Failed in accessing the DDO file.	Restart DR-ID 800CL.	
1	CslAdv_Re	UpdateDBAndDDOBy FromTreeViewData Error.	Failed in accessing the database. Failed in accessing the DDO file.	Restart DR-ID 800CL.	
1 to 9999	CslAdv_Study	1%	An unrecoverable error occurred in the process.	DR-ID 800CL restarts automatically. Restart DR-ID 800CL if it has frozen. If the same phenomenon recurred, reinstall the system.	1%: Error function name
2	CslAdv_AC_ImgDBC	FFImageDBCTL %1 %2 %3	Failed in accessing the database.	As an internal error occurred, restart DR-ID 800CL. If the error occurred again, restart the PC. If the error could not be recovered, reinstall the application.	%1: Error information %2: Method name %3: Various types of information
2	CslAdv_Delivery	Invalid Media Status Parameter (ae_name={0}, media_status={1}, free_space={2})	MediaStatAEName execution function of Spooler returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: AE name {1}: Status {2}: Blank space

Event	Event Source	Description	Causes	Remedies	Remarks
2	CslAdv_Delivery	Spooler Control MediaStatAEName Method Call Error (rc={0})	MediaStatAEName execution function of Spooler returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
2	CslAdv_Delivery	Spooler Control MediaStatErr Method Call Error (rc={0})	MediaStatErr execution function of Spooler returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
2	CslAdv_Delivery	Spooler Control MediaStatFree Method Call Error (rc={0})	MediaStatFree execution function of Spooler returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
2	CslAdv_Delivery	Spooler Control MediaStatMount Method Call Error (rc={0})	MediaStatMount execution function of Spooler returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
2	CslAdv_Delivery	Spooler Control MediaStatUnMount Method Call Error (rc={0})	MediaStatUnMount execution function of Spooler returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
2	CslAdv_Delivery	Spooler Control SetImageProcComplete Method Call Error (rc={0})	Image process completion notification function returned an error to Spooler.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
2	CslAdv_Delivery	Spooler Control SetOutputProcComplete Method Call Error (rc={0})	Output completion notification function returned an error to Spooler.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
2	CslAdv_Delivery	Spooler Control SpoolProc Error (rc={0})	An error was notified to the responding status of SpoolProcComplete event processed in Spooler.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Status
2	CslAdv_Delivery	Spooler Control SpoolProc Method Call Error (rc={0})	Spool request function returned an error to Spooler.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
2	CslAdv_Delivery	Spooler Control StudyReqEndProc Method Call Error (rc={0})	Spool request function returned an error to Spooler.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
2	CslAdv_Modality	%1 %2 %3 [ExceptionInformation] %4	Failed in terminating processing.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Detailed information %3: Error outline %4: Error details

Event	Event Source	Description	Causes	Remedies	Remarks
2	CslAdv_Modality	Failed to %1.Terminate	Failed in completion processing of %1.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: Indicator name or status window name.
2	CslAdv_OperationManager	Msg Get Error	Failed in accessing the resource database.	Restart the application. If the same phenomenon recurred, reinstall the system.	
2	CslAdv_SystemManager	UPS Signal Receive	UPS abnormality message was received.	Restart the application. If the same phenomenon recurred, reinstall the system.	
2		[DE00002] Failed in output processing.	Failed in output processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
2		[MD00002] Failed in terminating processing.	Failed in terminating processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
2		[OM00002] Failed in starting up the service utility.	Failed in starting up the service utility.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
2		[QA00002] Failed in QA starting process.	Failed in QA starting process.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
2		[RE00002] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
2		[SM00002] System error occurred.	System error occurred.	Press the lower button to terminate the system.	
2		[WL00002] An error occurred.	An error occurred.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
2		[QC00002] Failed to initialize QC.	Failed to initialize QC.	Click the close button on the QC execution window.	
2		[TS00002] Failed in obtaining the information from the system setting file.	Failed in obtaining the information from the system setting file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
2	CslAdv_IDAutoConvert	catch Exception	An exception occurred while processing an exceptional event ThreadException.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
2		[IC00002] Failed in initialization.	Failed in initialization.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
3	CslAdv_AC_ImgDBC	Image Database %1 Error	An error occurred in the method of %1.	As an internal error occurred, restart DR-ID 800CL. If the error occurred again, restart the PC. If the error could not be recovered, reinstall the application.	%1: Method name

Event	Event Source	Description	Causes	Remedies	Remarks
3	CslAdv_AC_ImgDBC	Image Database %1 Exception	Unknown error.	As an internal error occurred, restart DR-ID 800CL. If the error occurred again, restart the PC. If the error could not be recovered, reinstall the application.	%1: Method name
3	CslAdv_Delivery	OutImage Control ExecImageProc Method Call Error (rc={0})	Image process completion notification function returned an error to Spooler.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
3	CslAdv_Delivery	Spooler Control GetImageProcJob Method Call Error (rc={0})	Acquiring request function of image processing JOB in Spooler returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
3	CslAdv_Modality	%1 %2 Failed to Read Directory.ini: %3.	Failed in acquiring directory information.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error details
3	CslAdv_OperationManager	DB Error	Failed in accessing SysConfig,Paramedic.mdb.	Restart the application. If the same phenomenon recurred, reinstall the system.	
3	CslAdv_Re	Error message of AC::ImgDBCEx	A problem occurred in _console_db.	Restart DR-ID 800CL.	
3	CslAdv_SystemManager	BCR error	Failed in creating data container or xml file for BCR.	Restart the application. If the same phenomenon recurred, reinstall the system.	
3		[DE00003] Failed in image processing for output.	Failed in image processing for output.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
3		[MD00003] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
3		[OM00003] Failed in executing the lock processing.	Failed in executing the lock processing.	Press the lower button	
3		[QA00003] Failed in initialization for communication.	Failed in initialization for communication.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
3		[RE00003] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
3		[SM00003] A power failure has occurred.	A power failure has occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
3		[QC00003] Failed to displaying thumbnail image.	Failed to displaying thumbnail image.	Click the close button on the QC execution window.	

Event	Event Source	Description	Causes	Remedies	Remarks
3		[TS00003] Recovery was attempted from an error during the reconstruction processing but it failed.	Recovery was attempted from an error during the reconstruction processing but it failed.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
3	CslAdv_IDAutoConvert	catch ThreadException	An exception occurred in Program.Main.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
3		[IC00003] Failed in initialization.	Failed in initialization.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
4	CslAdv_Delivery	Ansemble DataContainer Create Error. (Name={0}, ContentType={1}, Key={2})	Failed in registration to Ansemble. DataContainer.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: SANameDelivery {1}: ContentType {2}: Key
4	CslAdv_Delivery	DICOM Print Control PrintPrc Error (indexNo={0})	Failed in acquiring the film number.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Film number
4	CslAdv_Delivery	DICOM Print Control PrintPrc Error (prcNo={0})	An error was notified to PrintPrc execution result.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Execution result
4	CslAdv_Delivery	DICOM Print Control PrintPrc Method Call Error (rc={0})	Dicom printer output control function returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
4	CslAdv_Delivery	DICOM Store Control StorePrc Method Call Error (rc={0})	Output request function of storage output control returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
4	CslAdv_Delivery	Output ddo file is not found ({0})	No DDO files exist.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: DDO file
4	CslAdv_Delivery	OutputJob Get Item Error (function={0}, id={1}, rc={2})	Acquired function of GetItem returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: function {1}: id {2}: rc
4	CslAdv_Delivery	OutputProc Error (rc={0}, UnitType={1})	Output completion notification function returned an error to Spooler.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
4	CslAdv_Delivery	PostMessage Method Call Error (rc={0})	Post function of sending message returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value

Event	Event Source	Description	Causes	Remedies	Remarks
4	CslAdv_Delivery	Spooler Control GetOutputProcJob Method Call Error (rc={0})	Acquiring request function of output JOB in Spooler returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
4	CslAdv_Delivery	Spooler Control NotifyUpdateImage StatusResult Method Call Error (rc={0})	NotifyUpdateImageStatusResult function of Spooler returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
4	CslAdv_Delivery	Spooler Control SetCommitProcComplete Method Call Error (rc={0})	Delivery completion notification function returned an error to Spooler.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
4	CslAdv_Modality	%1 %2 %3 Value is invalid	Value of system setting is invalid.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Information of system setting key
4	CslAdv_Modality	%1 %2 Failed to Read SysConfig : %3 [ExceptionInfomation] %4	Failed in reading the system setting.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error outline %4: Error details
4	CslAdv_ OperationManager	Registry Error	An error occurred when accessing registry information.	Restart the application. If the same phenomenon recurred, reinstall the system.	
4	CslAdv_ SystemManager	MCR error	Failed in creating data container for MCR or xml file for BCR.	Restart the application. If the same phenomenon recurred, reinstall the system.	
4		[DE00004] Failed in output processing.	Failed in output processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
4		[MD00004] Failed in sending the message.	Failed in sending the message.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
4		[OM00004] Failed in accessing the database.	Failed in accessing the database.	Press the button below.	
4		[QA00004] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
4		[RE00004] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
4		[SM00004] Failed in lock processing.	Failed in lock processing.	Press the button below.	

Event	Event Source	Description	Causes	Remedies	Remarks
4		[QC00004] Cannot show magnified image.	Cannot show magnified image.	Click the close button on the QC execution window.	
4		[TS00004] Failed in starting up the TomoView.	Failed in starting up the TomoView.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
4		[IC00004] Failed in initialization.	Failed in initialization.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
5	CslAdv_Delivery	Spooler Control QueueResume Method Call Error (rc={0})	QueueResume execution function of Spooler returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
5	CslAdv_Modality	%1 %2 %3	<ul style="list-style-type: none"> Failed in accessing the database. Failed in acquiring information from the database. Failed in setting information on the database. 	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error details
5	CslAdv_Modality	%1 %2 Execute Invalid Operation:%3	Failed in updating the database.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error details
5	CslAdv_Modality	%1 %2 Failed to Execute SQL:%3	Failed in updating the database.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error details
5	CslAdv_Modality	%1 %2 Failed to Initialize ModalityDB	Failed in initializing the database.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error details
5	CslAdv_Modality	Failed to get row number of DataSet from _modality_status_tbl: number=%1	Failed in acquiring data applicable for number=%1 from ModalityDB.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: Search number.
5	CslAdv_Modality	Failed to SqlExecutor. ReferenceCommand() for get fcr error record	Failed in obtaining the FCR error information.	Restart the application. If the same phenomenon recurred, reinstall the system.	
5	CslAdv_Modality	ModalityException Msg = Failed to SelectorChange UpdateModalityDb - SelectorNumber = %1	Failed in updating the access of internal database.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: Selector number
5	CslAdv_Modality	Not Found number in _modality_status_tbl: number=%1	Data applicable for number=%1 does not exist in ModalityDB.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: Search number.
5	CslAdv_SystemManager	Lock error	Failed in accessing the Lock database.	Restart the application. If the same phenomenon recurred, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
5		[DE00005] Failed in output processing.	Failed in output processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
5		[OM00005] Failed in registering the user name.	Failed in registering the user name.	Press the button below.	
5		[QA00005] Failed in entering parameters to start QA within the study.	Failed in entering parameters to start QA within the study.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
5		[RE00005] Failed in sending the message.	Failed in sending the message.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
5		[SM00005] Failed in creating a data file.	Failed in creating a data file.	Press the button below.	
5	CslAdv_Modality	Failed to show PanelChangeDlg:selectorNumber=%1	Failed in displaying the panel change dialog box.	Check for the settings of selector and device again and restart the system. If the same phenomenon recurred, reinstall the system.	%1 :The selector number for changing panel
5	CslAdv_Modality	Nothing selector's icon:selector num=%1	Failed in displaying the panel change dialog box.	Check for the settings of selector and device again and restart the system. If the same phenomenon recurred, reinstall the system.	%1 :The selector number for changing panel
5	CslAdv_Modality	Failed to Delete _panel_change_request_tbl	Failed in updating the ModalityDB.	Restart the system. If the same phenomenon recurred, reinstall the system.	
5	CslAdv_Modality	Failed to reset selector's color:SelectorNumber=%1	Failed in restoring the panel to the setup condition with system setting.	Restart the system. If the same phenomenon recurred, reinstall the system.	%1 :The selector number for changing panel
5	CslAdv_Modality	Failed to show PanelChangeDlg:selectorNumber=%1	Failed in displaying the panel change dialog.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: Selector number
5	CslAdv_Modality	Failed to Delete _panel_change_request_tbl	Failed in operating MD local database.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
5	CslAdv_IDAutoConvert	GuiAdpException	An exception occurred while retrieving processing result message.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
5		[IC00005] Failed in initialization.	Failed in initialization.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
6	CslAdv_Delivery	Linker Control PostMessage Method Call Error (rc={0})	End message sending function of queue returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value

Event	Event Source	Description	Causes	Remedies	Remarks
6	CslAdv_Delivery	Spooler Control QueueDelete Method Call Error (rc={0})	QueueDelete execution function of Spooler returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
6	CslAdv_Modality	%1	Failed in browsing the image database.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: The module and spot error occurred
6	CslAdv_SystemManager	ImgDBCEX error DeleteRecordByStudy Error	Failed in accessing the study database.	Restart the application. If the same phenomenon recurred, reinstall the system.	One of these two types is set in event content.
6		[DE00006] Failed in output processing.	Failed in output processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
6		[OM00006] Failed in acquiring the initial user name.	Failed in acquiring the initial user name.	Press the button below.	
6		[RE00006] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
6		[SM00006] Failed in accessing the data base.	Failed in accessing the data base.	Press the button below.	
6	CslAdv_Modality	Failed to ReleaseExclusion	Failed in browsing the image database.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the Console.	
7	CslAdv_Delivery	{0}\r\n{1}	An exception has occurred.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
7	CslAdv_Delivery	Can not Send {0} Message	Message sending function of linker returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Cause of process abortion
7	CslAdv_Delivery	DICOMPrintSCU Control EndProc Method Call Error (rc={0})	Request function on completing DICOMPrintSCU returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
7	CslAdv_Delivery	DicomSC Control EndProc Error (rc={0})	An error was notified to the responding status of EndProcComplete event processed in DicomSCCtrl.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Status
7	CslAdv_Delivery	DicomSC Control EndProc Method Call Error (rc={0})	EndProc function of SuspendComplete event processing returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value

Event	Event Source	Description	Causes	Remedies	Remarks
7	CslAdv_Delivery	DICOMStoreSCU Control EndProc Method Call Error (rc={0})	Complete request function to DICOMStoreSCU returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
7	CslAdv_Delivery	EventLog.InfoEventID. Terminate	Output what has completed to the event log.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	
7	CslAdv_Delivery	OutImage Control EndProc Error (rc={0})	An error was notified to the responding status of EndProcComplete event processed in OutImagePrc.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Status
7	CslAdv_Delivery	OutImagePrc Control EndProc Method Call Error (rc={0})	Request function on completing OutImgPrc returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
7	CslAdv_Delivery	Spooler Control EndProc Error (rc={0})	An error was notified to the responding status of EndProcComplete event processed in Spooler.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Status
7	CslAdv_Delivery	Spooler Control EndProc Method Call Error (rc={0})	Completing request function of Spooler returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
7	CslAdv_Delivery	Spooler Control SuspendProc Method Call Error (rc={0})	SuspendProc execution function of Spooler returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
7	CslAdv_Modality	%1 %2 LngDBCEXException [ExceptionInfomation] %3	The character string database of the Image Reader has not been installed.	The Image Reader might not been installed. Check the system.	%1: The module error occurred %2: Spot error occurred %3: Error details
7		[DE00007] Failed in output processing.	Failed in output processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
7		[OM00007] Setup hasn't been completed yet.	Setup hasn't been completed yet.	Contact maintenance personnel. Click the button to exit the system.	
7		[QA00007] Failed in starting QA within the study.	Failed in starting QA within the study.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
7		[RE00007] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
7	CslAdv_SystemManager	ImgGrpDBC:Delete RecordByStudy Error	Failed in accessing the study database.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
7		[SM00007] An error occurred.	An error occurred.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
8	CslAdv_Delivery	DicomSC Control CommitmentProc Method Call Error (rc={0})	Commitment processing request function returned an error to DicomSC.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
8	CslAdv_Modality	%1 %2 %3 [ExceptionInfomation] %	Failed in acquiring the selector information.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error code
8	CslAdv_Modality	%1 %2 Get SelectorDB Data Error. MenuManeger. SelectorCollection.Get() return status:%3	Failed in acquiring the selector information.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error code
8	CslAdv_Re	Load system config fail	Failed in reading the system setting.	Restart DR-ID 800CL.	
8		[DE00008] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
8		[RE00008] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
8	CslAdv_SystemManager	MessagePrameter error (paramList.Count <= 0) MessagePrameter error (paramList.Count > LockParameterCountMax)	Message parameter list is abnormal.	Restart DR-ID 800CL.	
8		[TS00008] The setting of the displayed screen is invalid.	The setting of the displayed screen is invalid.	Check the screen setting, and restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
8		[IC00008] An error occurred in starting auto-conversion of patient ID.	An error occurred in starting auto-conversion of patient ID.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
8		[OM00008] The modality setting of the system is contradictory.	The modality setting of the system is contradictory.	Check the modality settings of Service Utility. Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
8		[SM00008] Failed in changing network settings.	Failed in changing network settings.	Restart the system.	
9	CslAdv_Delivery	If the same error recurs after restarting the system, contact your service engineer."	Failed in connecting the image database.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
9		[QA00009] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
9		[RE00009] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
9		[IC00009] Failed in auto-conversion of patient ID.	Failed in auto-conversion of patient ID.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
9		[OM00009] An error occurred.	An error occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10	CslAdv_Modality	catch DCMObjExException	Failed in acquiring DICOM data.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
10	CslAdv_Modality	Failed to execute DDOHelper.FreeDDOObj	Failed in releasing process of DICOM file.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
10	CslAdv_Modality	Failed to execute ImageDBAccessor.RenewImageStatus	Failed in browsing the image database.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
10	CslAdv_Modality	SendSetPatientInformation DCMObjExException	Failed in acquiring DICOM data.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
10		[DE00010] Failed in updating the study information.	Failed in updating the study information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10		[RE00010] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10	CslAdv_Modality	%1 %2 [ExceptionInfomation] %3	An error occurs inside the program.	Restart the system If the same phenomenon recurred after restarting the system, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error details
10		[IC00010] Failed in auto-conversion of patient ID.	Failed in auto-conversion of patient ID.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10	CslAdv_Modality	DCMObjExException occurred RollbackDDO. imageId : %1	DDO file operation has failed.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: The record number of the image database.

Event	Event Source	Description	Causes	Remedies	Remarks
11	CslAdv_Modality	%1 %2 %3	Failed in acquiring sharing data.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error details
11	CslAdv_Modality	%1 %2 %3 [ExceptionInfomation] %4	Failed in acquiring sharing data.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error outline %4: Error details
11	CslAdv_Modality	Failed to execute DataContainerMain.Remove() - tempDDOKey = %1	Failed in deleting an internal processing file.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: The search key of internal processing file.
11	CslAdv_Modality	Failed to execute DataContainerMain.Remove() - XmlKey = %1	Failed in deleting an internal processing file.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: The search key of internal processing file.
11	CslAdv_Modality	OnImagingPreviewCreated DataContainerMain.Create Error	Failed in creating an internal processing file.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
11		[RE00011] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
12	CslAdv_Modality	%1 %2 [ExceptionInfomation] %3	An error occurs inside the program.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: The module error occurred %2: Spot error occurred %3: Error details
12		[RE00012] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
12	CslAdv_Qc	Can not execute inputted query.	Failed in accessing the database.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
12		[DE00012] Failed in output processing.	Failed in output processing.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
13	CslAdv_Modality	%1 %2 Get Registry Data Error. [ExceptionInfomation] %3	Failed in acquiring registry value.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error details
13		[RE00013] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
14	CslAdv_Modality	%1 %2 Failed to Show MessageBox. MessageID = %3 [ExceptionInfomation] %4	Failed in displaying message box.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: ID of the message which could not be shown %4: Error details
14	CslAdv_Modality	SendSetPatientInformation MsgBoxExException	Failed in displaying dialog box.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
14	CslAdv_Modality	SendSetPatientInformation MsgBoxExNotFound Exception	Failed in displaying dialog box.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
14		[RE00014] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
14	CslAdv_Delivery	Spooler Control SetImageProcComplete Method Call Error (rc=%1)	Image process completion notification function returned an error to Spooler.	Check the setting parameter and then restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: axSpooler. SetImageProc Complete() return value
14	CslAdv_Delivery	CreateSRProcComplete is null.(outputID=%1)	Failed to register an event to notify the completion of creating DDO for outputting SR.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: OutputID
15	CslAdv_Modality	%1 %2 %3 [ExceptionInfomation] %4	Failed in initializing GUI.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error outline %4: Error details
15		[RE00015] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
16	CslAdv_Modality	%1 %2 ModalityException Msg = Faild to cmdChangeExposureCondition. Convert [ExceptionInfomation] %3	Failed in notifying the change of exposure conditions to Image Reader.	Check the Image Reader status.	%1: The module error occurred %2: Spot error occurred %3: Error details
16	CslAdv_Modality	Failed to execute ClearPatientInformation ActiveSelector = %1	Selector number: Failed in notifying to the device of %1.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: Selector number
16	CslAdv_Modality	Failed to execute selector. Devices[%1].Modality. DisableImaging	Selector number: Failed in notifying to the device of %1.	Restart DR-ID 800CL and the device.	%1: Selector number

Event	Event Source	Description	Causes	Remedies	Remarks
16	CslAdv_Modality	Failed to execute selector. Devices[%1].Modality.EnableImaging	Selector number: Failed in notifying to the device of %1.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: Selector number
16	CslAdv_Modality	Failed to execute SetExposureCondition ActiveSelector = %1	Selector number: Failed in notifying to the device of %1.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: Selector number
16	CslAdv_Modality	Failed to execute SetPatientInformation Selector = %1	Selector number: Failed in notifying to the device of %1.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: Selector number
16	CslAdv_Modality	ModalityException Msg = Failed to GetTubeTechniqueCode - SelectorNumber = %1	Failed in acquiring the selector number.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: Selector number
16		[RE00016] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
16	CslAdv_Modality	%1 %2 [ExceptionInfomation] %3	An error occurred inside the program.	Restart the system. If the same error recurred after restarting the system, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error details
16	CslAdv_Modality	Failed to execute selector. Devices[%1].Modality.EnableImaging	Failed in notifying the Image Reader that exposure has been disabled.	Confirm the status of the Image Reader.	%1 :The selector number error occurred
16	CslAdv_Modality	Failed to execute selector. Devices[%1].Modality.DisableImaging	Failed in notifying the Image Reader that exposure has been enabled.	Confirm the status of the Image Reader.	%1 :The selector number error occurred
17	CslAdv_Modality	%1 %2 [ExceptionInfomation] %3	An error occurred when receiving message.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error details
17	CslAdv_Modality	%1 %2 Failed to get searchkey of DataContainer from XmlMessage faild.	An error occurred when receiving message.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error details
17		[RE00017] Failed in starting up the user utility.	Failed in starting up the user utility.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
18	CslAdv_Modality	Failed to execute Linker. PostMessage()	Failed in notifying the message.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
18	CslAdv_Modality	ModalityException Msg = Failed to SelectorChangedSend Message - imageld = %1	Failed in notifying the message.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: The record number of the image database.

Event	Event Source	Description	Causes	Remedies	Remarks
18		[RE00018] Failed in shutting down the console.	Failed in shutting down the console.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
18	CslAdv_Modality	%1 %2 [ExceptionInfomation] %3	An error occurs inside the program.	Restart the system. If the same error recurred after restarting the system, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error details
19	CslAdv_Modality	1%	An error occurs inside the program.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	1%: Spot error occurred
19		[RE00019] Failed in sending a report to the simplified ordering device.	Failed in sending a report to the simplified ordering device.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
19	CslAdv_Modality	Failed to get value from DDO:tag=%1	Failed in acquiring the Tomosynthesis information from DDO.	Finish the study, and perform the study again. If the same phenomenon recurred, restart DR-ID 800CL.	%1: Tomosynthesis-related tags defined by DDO
19	CslAdv_Modality	Failed to GetResouce iReConstructCondition	Failed in acquiring the information from the restructuring condition file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
20	CslAdv_Modality	Failed to execute ModalityIF. ReacquisitionImage (RETAKE) - imageKey = %1	Failed in retransmission processing.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: Device information
20	CslAdv_Modality	Failed to execute ModalityIF. ReacquisitionImage(RETAKE_STOP) - imageKey = %1	Failed in deleting retransmission menu.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: Device information
20	CslAdv_Modality	Failed to execute SelectorList. GetImageData()	An error occurs inside the program.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
20	CslAdv_Modality	ImageData Create Error	An error occurs inside the program.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
20		[RE00020] Failed in accessing to database.	Failed in accessing to database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
21	CslAdv_Modality	%1 %2 %3 [ExceptionInfomation] %4	An error occurs inside the program.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error outline %4: Error details
21		[RE00021] Failed in accessing to database.	Failed in accessing to database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
21	CslAdv_Qc	Unhandle exception occurred	An unclear system error occurred.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
22	CslAdv_Modality	%1 %2 %3 [ExceptionInfomation] %4	An error occurs inside the program.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error outline %4: Error details
22		[RE00022] Failed in acquiring system setting information (IP size series).	Failed in acquiring system setting information (IP size series).	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
23	CslAdv_Modality	%1 %2 %3 [ExceptionInfomation] %4	Failed in checking menu condition.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error outline %4: Error details
23	CslAdv_Modality	catch Exception	An error occurs inside the program.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
23	CslAdv_Modality	Failed to execute MenuSelectStateCheck	Failed in menu selecting process. Menu selection is disabled in DR-ID 300 CL status.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
23	CslAdv_Modality	Failed to execute MenuUnSelectStateCheck	Failed in menu selecting process. Menu selection is disabled in DR-ID 300 CL status.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
23	CslAdv_Modality	Failed to execute ReqExposurePreparation CancelStateChecker. Check()	An error occurs inside the program.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
23	CslAdv_Modality	ImageID incorrect (imageIds.Length = %1	Data in the image database is invalid.	Shut down DR-ID 800CL, and check the image database.	%1: The record number of the image database.
23	CslAdv_Modality	ImageStatus of MixMenu isn't ReadyUp.	Menu status is invalid.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
23		[RE00023] Failed in accessing to database.	Failed in accessing to database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
23	CslAdv_Modality	BreakOffStateChecker. StateCheck is NG	An error occurs inside the program.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
24	CslAdv_Modality	%1 %2 failed logclass initilalize [ExceptionInfomation] %3	Failed in initializing the log output function.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error details

Event	Event Source	Description	Causes	Remedies	Remarks
24	CslAdv_Modality	%1 %2 failed output log [ExceptionInfomation] %3	Failed in outputting the log.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error details
24		[RE00024] Initialization has not been completed.	Initialization has not been completed.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
25	CslAdv_Modality	%1 %2 ErrorNumber =%3, ErrorCode = %4, ExtraMessage =%5, DataSouceType = %6, messag_mode = %7, win_ func = %8, selectorNo = %9, hostName = %10	An error was notified from the Image Reader.	Confirm the Image Reader.	%1: The module error occurred %2: Spot error occurred %3: Error character string ID %4: Error code %5: Detailed description for errors %6: ID for identifying the data source which this error character string is stored %7: Procedure of specifying means of error message display %8: WinFunc definition (FRUP) %9: Selector number %10: Host name
25		[RE00025] Failed in logoff.	Failed in logoff.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
26	CslAdv_Modality	%1 %2 %3 [ExceptionInfomation] %4	An error occurs inside the program.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error outline %4: Error details
26		[RE00026] Failed in registering the patient information.	Failed in registering the patient information.	Register the patient information again from the ordering system.	
27	CslAdv_Modality	%1 %2 %3 [ExceptionInfomation] %4	Failed in executing utility of the Image Reader.	Confirm the Image Reader.	%1: The module error occurred %2: Spot error occurred %3: Error outline %4: Error details
27		[RE00027] Failed in reserving a study.	Failed in reserving a study.	Reserve the study information again from the ordering system.	

Event	Event Source	Description	Causes	Remedies	Remarks
28		[RE00028] Failed in starting a study automatically from the Simplified Ordering.	Failed in starting a study automatically from the Simplified Ordering.	Reserve the study from the Ordering device again.	
29		[RE00029] Failed in starting a study automatically from the Simplified Ordering.	Failed in starting a study automatically from the Simplified Ordering.	Register patient information from the Ordering device again.	
30	CslAdv_Modality	1%	An error occurs inside the program.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	1%: Spot error occurred
30		[RE00030] Invalid data has been entered.	Invalid data has been entered.	Register it from the Ordering device again.	
30	CslAdv_Modality	Failed to execute IMDIFUtilityInterface. Initialize	Failed in initializing Image Reader Utility.	Restart the system. If the same error recurred after restarting the system, reinstall the system.	
30	CslAdv_Modality	Failed to GetResourceInfo : resource_info = %1	Failed in acquiring the resource of Image Reader Utility.	Restart the system. If the same error recurred after restarting the system, reinstall the system.	%1 :Dynamic resource information acquired from ModalityIF.
30	CslAdv_Modality	Failed to CreateXmlResource	An error occurs inside the program.	Restart the system. If the same error recurred after restarting the system, reinstall the system.	
30	CslAdv_Modality	Failed to execute IMDIFUtilityInterface. QueryRequisiteResource : resource =	Failed in setting the resource of Image Reader Utility.	Restart the system. If the same error recurred after restarting the system, reinstall the system.	%1 :Dynamic resource information to hand over to ModalityIF.
30	CslAdv_Modality	Failed to Read Modality.exe.config %1 value is invalid	Acquisition of the respective parameter from Modality.exe.config has failed.	Check Modality.exe.config.	%1: Parameter name defined in Modality.exe.config.
30	CslAdv_Modality	It is already IDLocked:ImageKey = %1	ID lock has been implemented more than once.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the DR-ID 800CL.	%1: MenuUID/RegistID/PlateID of image DB
30	CslAdv_Modality	Failed to execute ImageDBAccessor. RenewMenuOperation	Failed in updating DR-ID 800CL condition.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
30	CslAdv_Modality	OnTerminationCompleted Error. ReceiveXml:[%1]	An error occurs inside the program.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: Inside message
31		[RE00031] Failed in starting the system.	Failed in starting the system.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
32		[RE00032] Study condition cannot be changed.	Study condition cannot be changed.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
40	CslAdv_Modality	%1 %2 %3 [ExceptionInfomation] %4	Failed in processing in the program.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error outline %4: Error details
40	CslAdv_Modality	Err[%1.NotifyOKButton]	Failed in processing OK button on the connected device status dialog window %1.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: Dialog window name
40	CslAdv_Modality	Failed to %1. NotifyVisibleScreen [param showFlag=true]	Failed in displaying the connected device status dialog window %1.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: Dialog window name
40	CslAdv_Modality	Failed to ClickIndicator[param num = %1]	Failed in displaying the connected device status window.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: Clicked indicator number.
40	CslAdv_Modality	Failed to DispScreen[param num=%1]	Failed in displaying the connected device status dialog window %1.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: Dialog window name
40	CslAdv_Modality	Failed to statusDlg. PreparationShow[param num =%1]	Failed in displaying the connected device status dialog window.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The dialog window number attempted to display.
40	CslAdv_Modality	Failed to SwitchScreen[param num=%1]	Failed in displaying the connected device status dialog window %1.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: Dialog window name
40	CslAdv_Modality	Failedt to ChangeShotReadyStatus: status=%1	Failed in requesting to enable/disable an exposure of ShotReady.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: Transition status of ShotReady
50	CslAdv_Re	Unknown error when interact with plugin commands	Unknown error was passed through during plugin command processing.	Restart DR-ID 800CL.	
64	CslAdv_Re	Failed in applinker init	A problem occurred in Reception.config file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
100	CslAdv_Re	Can't load plugin	All plugins could not be imported.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
101	CslAdv_Bridge	-	An error occurred while starting up Bridge.	Check the setting of WebApplication.	
102	CslAdv_Bridge	-	An error occurred while terminating Bridge.	Restart DR-ID 800CL.	
103	CslAdv_Bridge	-	An error has occurred at the time of Ansemble message reception.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
104	CslAdv_Bridge	-	An error has occurred during message loop processing.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
105	CslAdv_Bridge	-	Acquisition of the settings from ConsoleGateway has failed.	Restart DR-ID 800CL.	
107	CslAdv_Bridge	-	Data acquisition from the table held by the console has failed.	Restart DR-ID 800CL.	
110	CslAdv_Re	Unhandled error	Unhandled exception has occurred.	Restart DR-ID 800CL.	
200	CslAdv_Re	Failed in interacting with [_console_db] database	<ul style="list-style-type: none"> • _console_db does not exist. • Connection with the SQL server was disconnected. • The SQL service has been stopped. 	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
200	CslAdv_Tomo	1% 2%	An error occurred in QA processing.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	1%: Module name where an error occurred 2%: The spot of the error and its cause
202	CslAdv_Qc	Initialize QC error.	Failed in initializing QC. Necessary resource and components may not exist.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
203	CslAdv_Qc	Can't show magnified image form.	RAW image data is not in the selected folder.	The image for QC may be illegal. Expose a new image and perform the operation again.	
231	CslAdv_Re	Parameter values for query data from [_recept_image_db] is invalid	_recept_image_db does not exist.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
232	CslAdv_Re	Initialized adapter for [_recept_image_db] DB failed.	_recept_image_db does not exist.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
233	CslAdv_Re	SQL exception when interact [_recept_image_db] DB.	<ul style="list-style-type: none"> • _recept_image_db does not exist. • Connection with the SQL server was disconnected. • The SQL service has been stopped. 	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
290	CslAdv_Re	Failed in connecting to MS Access database	<ul style="list-style-type: none"> • NetConfig.mdb does not exist in C:\Program Files\Fujifilm\IIP folder and subfolder. • Character string of the connection to Depart.mdb, Paramedic.mdb, NetConfig.mdb does not exist in Directory.ini file of C:\Program Files\Fujifilm\IIP\System folder, or the path is invalid 	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
290	CslAdv_Re	Failed in accessing the IDMassHistory database	An error occurred in the information read during record insertion.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
291	CslAdv_Re	Could not load information from database	<ul style="list-style-type: none"> • _recept_image_db does not exist. • Connection with the SQL server was disconnected. • The SQL service has been stopped. • Depart.mdb, Paramedic.mdb, NetConfig.mdb do not exist in "C:\Program Files\Fujifilm\IIP" folder and subfolder. • Character string of the connection to Depart.mdb, Paramedic.mdb, NetConfig.mdb does not exist in Directory.ini file of "C:\Program Files\Fujifilm\IIP\System" folder, or the path is invalid. 	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
300	CslAdv_Re	Failed in connecting to [_recept_image_db] database	<ul style="list-style-type: none"> • _recept_image_db does not exist. • Connection with the SQL server was disconnected. • The SQL service has been stopped. 	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
301	CslAdv_Re	Could not load information from database	<ul style="list-style-type: none"> • _recept_image_db does not exist. • _console_db does not exist. • Connection with the SQL server was disconnected. • The SQL service has been stopped. 	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
302	CslAdv_Re	Could not store data in the database.	<ul style="list-style-type: none"> • _recept_image_db does not exist. • _console_db does not exist. • Connection with the SQL server was disconnected. • The SQL service has been stopped. 	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
302	CslAdv_Qc	Failed in accessing image files	RAW image data is not in the selected folder.	Confirm the authority and the free space for the destination folder to save.	
303	CslAdv_Qc	Measurement processing cannot be implemented.	Illegal image data (incomplete data).	Perform an exposure again. If the same phenomenon recurred, reinstall DR-ID 800CL.	
304	CslAdv_Qc	An error occurred. Error code: {0}	Illegal image data. For the cause of the failure of measurement, refer to the error code {0}.	The data may not be supported. If the same phenomenon recurred, expose an image again.	{0}: Error code
307	CslAdv_Qc	The image is illegal	Illegal image data. Its cause cannot be identified.	The image for QC may be illegal. Expose a new image and perform the operation again.	
308	CslAdv_Qc	Save grid view settings occurs error	QC application may have a component problem.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
310	CslAdv_Qc	Terminate [QC Calculation] module occurs error	QC application may have a component problem.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
311	CslAdv_Qc	Delete image files when finish QC occurs error	An error occurred when deleting the study data.	Check that the path of the destination to save study data for QC start exists.	
314	CslAdv_Qc	An error occurred. Error code: {0}	Illegal image data. For the cause of the failure of measurement, refer to the error code {0}.	The data may not be supported. If the same phenomenon recurred, take the image again.	{0}: Error code
316	CslAdv_Qc	Save QC data occurs error	An error occurred when saving the QC data. An already existing file might not be overwritten.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
317	CslAdv_Qc	Access Violation Exception	No access authority.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
330	CslAdv_Re	Could not delete Input.xml file return from BC::RisIf	"C:\Program Files\Fujifilm\IIP\Work\BC_RIS\Input" folder does not exist.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
330	CslAdv_Re	Could not read Input.xml file return from BC::RisIf	"C:\Program Files\Fujifilm\IIP\Work\BC_RIS\Input" folder does not exist.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
332	CslAdv_Re	Could not access MenuDB.	The Menu database does not exist.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
340	CslAdv_Re	Could not connect to PatientData database.	PatientData does not exist.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
360	CslAdv_Re	Could not get file path of BCR data file	<ul style="list-style-type: none"> The type of barcode card is invalid. The data of barcode card is incorrect. 	Recheck the BCR-related system settings. Check that the barcode type is supported.	
360	CslAdv_Re	Could not read BCR data file	<ul style="list-style-type: none"> The type of barcode card is invalid. The data of barcode card is incorrect. 	Recheck the BCR-related system settings. Check that the barcode type is supported.	
370	CslAdv_Re	Could not get file path of MCR data file	<ul style="list-style-type: none"> The type of magnetic card is invalid. The data of magnetic card is incorrect. 	Recheck the MCR-related system settings. Check that the magnetic card type has been set to the system settings. Check that the magnetic card type is supported.	
370	CslAdv_Re	Could not read MCR data file	<ul style="list-style-type: none"> The type of magnetic card is invalid. The data of magnetic card is incorrect. 	Recheck the MCR-related system settings. Check that the magnetic card type has been set to the system settings. Check that the magnetic card type is supported.	
402	CslAdv_Re	SEHException content	An error occurred in LoadDDO.	Restart DR-ID 800CL.	
406	CslAdv_Re	Can't not convert data to display format	Display format of the data is incorrect.	Restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
442	CslAdv_Re	Format: [OrderInfo is invalid] <XmlTagName>:*** {0} <XmlTagValue>:*** {1} Invalid ESC existed. The character position is *. {2} Console has received some invalid order data from RIS. See the SEI about "Order data checking", and check the data above. Or Invalid XML format	<ul style="list-style-type: none"> The XML declaration is missing. The file was not found. Opening the XML file has failed. The XML format is not valid. 	Check ECN.	
453	CslAdv_Re	Failed in get registry key value.	<ul style="list-style-type: none"> Registry key value is invalid. The corresponding registry key does not exist. 	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
500	CslAdv_Qc	Get data from station table failed	Failed in accessing the database.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
503	CslAdv_Qc	Save CSV file failed	An error occurred when saving the QC data. An already existing file might not be overwritten.	Hard disk may not have enough free space, or you have no writable authority. Confirm the destination folder to save.	
507	CslAdv_QA	QADBAccessor.dll ImgDBCEXWrapper GetInstance	Failed in browsing the image database.	Confirm _console_db, and restart DR-ID 800CL.	
510	CslAdv_Re	Create report file error	Information could not be saved in output.xml file.	Restart DR-ID 800CL.	
630	CslAdv_Re	Failed in connecting to the receipt image database.	Failed in connecting to the reception image database.	Restart DR-ID 800CL.	
634	CslAdv_Re	You do not have permission to delete study.	The data is incorrect.	Restart DR-ID 800CL.	
635	CslAdv_Re	Selected items are invalid.	Selected items are invalid.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
650	CslAdv_Re	=+ No procUID specified for the request + Auto start for multiple studies is not supported	The following problems occurred during the auto start of studies requested from the outside. • No study. • There are two or more studies.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	Since the output of this event log is likely to be caused by the defect on SmartController, there is no way to deal with the phenomenon as CSL when it occurs. The cause could be attributed to the appearing of the following messages as the study starting message from SmartController. • When an ID identifying the corresponding study was not granted • When multiple studies were ordered to start simultaneously * Simultaneous starting of multiple studies from SmartController is not supported under the specification.
702	CslAdv_Qc	Init MammoQC or RUQC error.	Failed in initializing Mammo QC or RUQC.	Check that the study data exist in the study folder. Also check that the required database is sufficient. The required data are the files "Fujifilm\IIP\Param\MammoQC.mdb", "Fujifilm\IIP\Param\QCItems.mdb", and "Fujifilm\IIP\GUI\String\LangStr.mdb".	
706	CslAdv_Qc	Folder Input incorrect.	The folder for DDO file loading was not found.	Check that the study data save folder exists.	
706	CslAdv_Qc	Cannot display IIPMammoQCControl	Mammo QC cannot be displayed.	Check that the study data exist in the study folder. Also check that the required database is sufficient. The required data are the files "Fujifilm\IIP\Param\MammoQC.mdb", "Fujifilm\IIP\Param\QCItems.mdb", and "Fujifilm\IIP\GUI\String\LangStr.mdb".	
920	CslAdv_Re	Failed in setting the image information	MWMImage.mdb file does not exist in "C:\Program Files\Fujifilm\IIP\MWMStudyList" folder or is read-only file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
921	CslAdv_Re	Failed in obtaining data from the MWMConfig.mdb database. Or [OrderInfo is invalid] <MdbFiledName>: {0} <MdbFieldValue>: {1} Length exceeded the provisions of the field (max size = {2}) Console has received some invalid order data from RIS. See the SEI about "Order data checking", and check the data above.	<ul style="list-style-type: none"> MWMConfig.mdb file does not exist in "C:\Program Files\Fujifilm\IIP\MWMStudyList" folder. Invalid data are included in several fields inside the database. 	Check ECN.	
940	CslAdv_Re	Could not load information from [MWMConfig.mdb]	MWMConfig.mdb file does not exist in "C:\Program Files\Fujifilm\IIP\MWMStudyList" folder.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1000	CslAdv_Mdlf	Module=%1, Class=%2, Method=%3, %4	Defective program (error).	Restart. If the same phenomenon recurred, reinstall the system.	%1: File name %2: Class name %3: Method name %4: Detail message
1000	CslAdv_Re	Failed in loading configuration information from SysConfig DB	SysConfig.mdb file does not exist in "C:\Program Files\Fujifilm\IIP\Config" folder.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1000	IIPUserUtility	"Main()" "Exception Notification from UnhandledException EventHandler"	Failed in launching the UserUtility.exe application.	Restart the application. If the same phenomenon recurred, reinstall the system.	
1000	IIPUserUtility	1% 2% 3%	<ul style="list-style-type: none"> Out of memory Directory browsing error IIP/Config directory and IIP/System directory under Fujifilm do not exist. File browsing error Execution file (IIPUserUtility.exe) does not exist. Null browsing error Failed in launching the execution file (IIPUserUtility.exe). Exception error Program error. 	Restart the application. If the same phenomenon recurred, reinstall the system.	1%: Spot error occurred 2%: Message 3%: Event ID Event logs output by UserUtility.exe are categorized to 5 patterns.
1000	CslAdv_IDAutoConvert	Initialize faild	Failed in initializing GUI.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
1000	-	SA name: Occurrence method name "Occurrence location code: Error message" Event ID	Memory is running out.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	The event log outputted by UserUtility.exe is divided into error logs with five patterns.
1000	-	SA name: Occurrence method name "Occurrence location code: Error message" Event ID	The following directories did not exist. • Fujifilm\IIP\Config • Fujifilm\IIP\System	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1000	-	SA name: Occurrence method name "Occurrence location code: Error message" Event ID	The execution file (IIPUserUtility.exe) did not exist.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1000	-	SA name: Occurrence method name "Occurrence location code: Error message" Event ID	Failed in activation the execution file (IIPUserUtility.exe).	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1000	-	SA name: Occurrence method name "Occurrence location code: Error message" Event ID	An exception error occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1000 to 20854	ClsAdv_Tomo	1% 2%	An error occurred in QA processing.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	1%: Module name where an error occurred 2%: The spot of the error and its cause
1001	FFQRP	Another application instance is running.	There is a running Network Image Search function process.	Restart DR-ID 800CL.	
1005	CslAdv_Mdlf	Convert Tube code file error.	Tube/technique code conversion file error.	Restart the application. If the same phenomenon recurred, reinstall the system.	
1005	CslAdv_Re	Initialize MenuSel failed	Failed in displaying the setting screen [E6] for an active target.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1006	CslAdv_Mdlf	Positioning file error.	Positioning file error.	Restart the application. If the same phenomenon recurred, reinstall the system.	
1007	CslAdv_Mdlf	Filter definition file error.	Error of filter information definition file data.	Restart the application. If the same phenomenon recurred, reinstall the system.	
1010	CslAdv_IDAutoConvert	Linker.Init error	Failed in initializing Linker.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1011	CslAdv_IDAutoConvert	InitialzeIDAutoConvert error	Failed in initialization.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
1012	CslAdv_IDAutoConvert	Linker. SendWakeupComplete error	Failed in processing to instruct SendWakeupComplete.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1014	CslAdv_IDAutoConvert	MyLinker. SendWakeupComplete error	Failed in processing to instruct SendWakeupComplete.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1015	CslAdv_IDAutoConvert	DirectoryInfo.Initialize() error	Failed in acquiring the path information.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1020	CslAdv_IDAutoConvert	matchingProc.Initialize failed	Failed in initializing the matching processing section.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1030	CslAdv_IDAutoConvert	AppSettingInfo() error	Failed in reading the default setting information.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1031	CslAdv_IDAutoConvert	AdjustDialogSize() error	Failed in adjusting the dialog size.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1032	CslAdv_IDAutoConvert	MatchingCommon() error	Failed in initializing the common matching processing section.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1033	CslAdv_IDAutoConvert	progressGUI() error	Failed in generating the progress screen.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1034	CslAdv_IDAutoConvert	ProgressGUI.Initialize error	Failed in initializing the progress screen.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1040	CslAdv_IDAutoConvert	Failed to execute Linker. End: Linker.End = %1	Failed in the end processing of Linker.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: Completion state of Linker
1060	CslAdv_IDAutoConvert	GetProgressState error	Failed in acquiring the progress information.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1061	CslAdv_IDAutoConvert	ProgressTimeOutCount error	An retry error occurred in updating the progress ratio.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1070	CslAdv_IDAutoConvert	Matching process cancel.	Failed in converting the matching process result.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1070	CslAdv_IDAutoConvert	resultGUICtrl.SetResultInfo faild	Failed in converting the matching process result.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1080	CslAdv_IDAutoConvert	MatchingCancel Timeout	Time-out occurred while waiting for cancel.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
1081	CslAdv_IDAutoConvert	InitializeError: %1	Failed in initialization.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: Error code
1082	CslAdv_IDAutoConvert	CancelComplete	Failed in matching.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1082	CslAdv_IDAutoConvert	MatchingComplete(NG): %1 = %2	Failed in matching.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: The process status %2: Error code
1109	CslAdv_Re	Failed in Initialize Fris Client	Unable to connect to the FRIS system.	Check that the FRIS client has been set up.	
1310	CslAdv_Re	Error from BCRislf	Data of starting study is invalid.	Check the following configuration items related to RIS connection. • Item 15 "Examination No.Length" of "5. CSL/IDT FUNCTION" • Item 17 "Use Series Identification From F-RIS" of "5. CSL/IDT FUNCTION"	
1550 to 1555	ClsAdv_Tomo	1% 2%	An error occurred in QA processing.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	1%: Module name where an error occurred 2%: The spot of the error and its cause
1601	CslAdv_Re	General exception of KenshinOrder	An error occurred in the soft keyboard screen.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1605	CslAdv_Re	Failed in accessing into MassOrder.mdb	An error occurred when connecting to MassOrderDB.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1614	CslAdv_Re	Invalid Format	Failed in displaying the screen while starting DR-ID 800CL.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1622	CslAdv_Re	The site code mapping tag is invalid	A siteCode mapping error occurred while starting DR-ID 800CL.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1650 to 1653	ClsAdv_Tomo	1% 2%	An error occurred in QA processing.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	1%: Module name where an error occurred 2%: The spot of the error and its cause
1700		[AC01700] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
1703	CslAdv_Re	Access IDMassHistory.mdb failed	An error occurred when connecting to IDMassHistory.mdb.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
1705	CslAdv_Re	Failed in accessing into MassOrder.mdb	<ul style="list-style-type: none"> Error occurred at the change checking of the AutoIDOn, Choose examtype, and btnExposurePart buttons. Error occurred at the focus setting event on the exposure part and mass screening type. 	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1706	CslAdv_Re	Format IssuanceIdMassOrder.dat failure	Failed in checking setting data while starting DR-ID 800CL.	Modify the setting of IssuanceIdMassOrder.dat.	
1853	CslAdv_Re	Failed in accessing into the console image db	<ul style="list-style-type: none"> Failed in accessing to the DB while starting DR-ID 800CL. A study other than those of IDMassHistory table was deleted. Failed in acquiring the latest study comment when the study finished. 	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
1999	MediaStorage	MediaStorage:ctrlLinker_ReceiveEvent:%1:MediaStorage	An exception error occurred during the operation in the media list at %1.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	%1: Exception message
1999	MediaStorage	MediaStorage:subEndProcess:%1:MediaStorage	An exception error occurred during the operation in the media list at %1.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	%1: Exception message
1999	MediaStorage	MediaStorage:subChkRunDispFlg:%1:MediaStorage	An exception error occurred during the operation in the media list at %1.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	%1: Exception message
2000	CslAdv_DaemonActivity	1% 2%	Abnormality occurred in acquiring setting value from SysConfig, etc. Operate with the default value.	Restart the application. If the same phenomenon recurred, reinstall the system.	1%: Error message 2%: Error spot (Stackinformation)
2000	CslAdv_DaemonActivity	Initialization Failed	Failed in initializing Ansemble linker.	Restart the application. If the same phenomenon recurred, reinstall the system.	
2000	CslAdv_Mdlf	Module=%1, Class=%2, Method=%3, %4	Defective program (error).	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: File name %2: Class name %3: Method name %4: Detail message
2001		[MI02001] Failed in the reference of the reader device.	Failed in the reference of the reader device.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
2001	CslAdv_IDAutoConvert	Failed to execute DataContainerMain.Peek	Failed in acquiring the file path at DataContainer.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
2002		[MI02002] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
2002	CslAdv_IDAutoConvert	Target file read error[%1]	An error occurred in reading list file of the mass screening targets.	Confirm the file. If the error is caused by the system, reinstall the system.	%1: File name

Event	Event Source	Description	Causes	Remedies	Remarks
2003		[MI02003] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
2003	CslAdv_IDAutoConvert	Target file remove error[%1]	An error occurred in deleting the list file of the selected studies.	Confirm the file. If the error is caused by the system, reinstall the system.	%1: File name
2010	CslAdv_IDAutoConvert	Faild SendMessage	Failed in sending the process completion notification.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
2020	CslAdv_IDAutoConvert	Faild PostMessage	Failed in sending the FatalError message.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
2036	MediaStorage	SysDB SysConfig PatientID Padding	Failed in acquiring the value from SysConfig.mdb and "IdPadding" of ConfigCSL table.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
2037	MediaStorage	SysDB SysConfig PatientID Padding	Failed in acquiring the value from SysConfig.mdb and "ExaminationNoPadding" of ConfigCSL table.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
2600		[TS02600] Failed in accessing Image database due to an error in PPUIF.	Failed in accessing Image database due to an error in PPUIF.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
2800 to 2814	ClsAdv_Tomo		An error occurred in TomoPPUCommCtrl.dll. An error occurred in the connection with PPU.	Check the connection to PPU server. If the same phenomenon recurred, restart DR-ID 800CL.	
2900		[TS02900] Failed in accessing the database.	Failed in accessing the database.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
3000	CslAdv_IDAutoConvert	idAutoConvert=null	Failed in generating IDAutoConvert.dll instance.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
3000 to 3008	ClsAdv_Tomo	1%	An error occurred in TomoImgProcReqQueueCtrl.dll. An error occurred when initializing the Tomosynthesis View.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	1%: The spot of the error and its cause
3001		[MI03001] System error occurred.	System error occurred.	Restart the system.	
3001	CslAdv_IDAutoConvert	cbProcessComplete=null	Failed in acquiring the callback method address.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
3002	CslAdv_IDAutoConvert	funcPtr=null	Failed in registering the callback.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
3003	CslAdv_IDAutoConvert	SysConfigDBtoldAuto ConvertIni() failed	Failed in writing the SysConfigDB value to IdAutoConvert.ini.	Confirm the file. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
3004	CslAdv_IDAutoConvert	idAutoConvert.Initialize() failed	Failed in initializing IdAutoConvert.dll.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
3010	CslAdv_IDAutoConvert	resultInfo=null	Failed in generating the matching result storage region.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
3115	FFQRP	Unkown error	An unknown error has occurred when error message dialog box appears.	Restart DR-ID 800CL.	
3202	ClsAdv_Tomo	Access DDO tag " + strNumberTag + " is failed	An error occurred when acquiring the values of DDO tags.	Check whether the DDO files exist. If DDO files exist, check whether tags exist and whether the data are valid.	
3205	FFQRP	Communication initialize fail	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
3205	FFQRP	Communication: Bind fail	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
3205	FFQRP	Unknown Error!	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
3410	FFQRP	Can't get language from config file	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
3410	FFQRP	AppName key in file QRP.exe.config isn't found or value is empty	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
3410	FFQRP	Monitor Lut file isn't found	The monitor LUT file does not exist or is damaged.	Reinstall all the linking applications and Cooper which have been installed.	
3410	FFQRP	Thread worker to PRINT fail.	The monitor LUT file does not exist or is damaged.	Reinstall all the linking applications and Cooper which have been installed.	
3410	FFQRP	Unknown Error!	The monitor LUT file does not exist or is damaged.	Reinstall all the linking applications and Cooper which have been installed.	
3425	FFQRP	Initiate QRP failed!	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
3425	FFQRP	Could not load the config file	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
3430	FFQRP	Unknown Error!	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
3435	FFQRP	Could not load the config file	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
3435	FFQRP	Unknown Error!	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
3440	FFQRP	Could not load the config file	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
3440	FFQRP	Unknown Error!	The config file does not exist or is damaged.	Reinstall Network Image Search function.	

Event	Event Source	Description	Causes	Remedies	Remarks
3450	FFQRP	Can not get data from config file	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
3490	FFQRP	The string with Id={0} is not found in the language file. StackTrace: {1}	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
3595	FFQRP	VersionInformation: The Application element with ID={0} in the version file can't be load. StackTrace: {1}	The config file does not exist or is damaged.	Reinstall all the linking applications and Cooper which have been installed.	
3600	FFQRP	VersionInformation: The string with Id={0} in the language file can't be load. StackTrace: {1}	The config file does not exist or is damaged.	Reinstall all the linking applications and Cooper which have been installed.	
3600	FFQRP	Config TargetView is invalid	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
3600	FFQRP	AppName key in file QRP.exe.config isn't found or value is empty	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
4000	CslAdv_IDAutoConvert	OnRequestEvent=NULL	Failed in sending the event that the prematch button is clicked.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
4010	CslAdv_IDAutoConvert	OnRequestEvent=NULL	Failed in sending the event that the real matching button is clicked.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
4020	CslAdv_IDAutoConvert	GuiAdpException	Failed in the GuiAdp processing when the file selection button is clicked.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
5000	CslAdv_IDAutoConvert	[%1]	The definition file for result displaying list does not exist.	Confirm the file. If the error is caused by the system, reinstall the system.	%1: File path
5001	CslAdv_IDAutoConvert	mainItemDataTable=null	Failed in generating the data for result displaying list (DataTable).	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
5002	CslAdv_IDAutoConvert	mainItemDataSet=null	Failed in generating the data for result displaying list (DataSet).	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
5003	CslAdv_IDAutoConvert	SetupMatchingName failed	Failed in initializing the screen for displaying the processing result.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
5004	CslAdv_IDAutoConvert	catch GuiAdpException	Failed in retrieving the strings for updating the result displaying list.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
5005	CslAdv_IDAutoConvert	catch Exception	An operation error of the result displaying list occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
5010	CslAdv_IDAutoConvert	mainItemDataTable=null	An argument error occurred while registering the matching result (registering the list).	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
5020	CslAdv_IDAutoConvert	GuiAdpException	A GuiAdp error occurred while retrieving the matching type.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
6000	CslAdv_IDAutoConvert	ArgumentException	An argument error occurred while reading the XML file for requesting a processing.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
6001	CslAdv_IDAutoConvert	XmlException	Failed in processing the XML file in reading the XML file for requesting a processing.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
6010	CslAdv_IDAutoConvert	ArgumentException	An argument error occurred while generating the matching result file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
6011	CslAdv_IDAutoConvert	XmlException	Failed in processing the XML file in generating the matching result file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
6384	MediaStorRtrv	FFIIPMedia 0008, 0060 GetString Err Return Method (FcStorProc:: ImageFiling)	Failed in acquiring the Modality (0008, 0060).	"Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL."	
6385	MediaStorRtrv	FFIIPMedia DDO FILE INVALID Method (FcStorProc:: ImageFiling)	The Modality (0008, 0060) tag does not exist.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
6386	MediaStorRtrv	FFIIPMedia 0018,1401 GetString Err Return Method (FcStorProc:: ImageFiling)	Failed in acquiring the MPM code (0018, 1401).	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
6387	MediaStorRtrv	FFIIPMedia DDO FILE INVALID Method (FcStorProc:: ImageFiling)	The MPM code (0018, 1401) tag does not exist.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
6388	MediaStorRtrv	FFIIPMedia fcMenuDB. Connect() Err Method (FcStorProc:: ImageFiling)	Failed in accessing the MenuData.mdb.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
6389	MediaStorRtrv	FFIIPMedia MPM Code no Exist Method (FcStorProc:: ImageFiling)	The MPM Code does not exist in MenuData.mdb.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
7000	CslAdv_IDAutoConvert	NullReferenceException	Failed in converting the config information numerical value.	Confirm the system settings. If the problem is found in the system, reinstall DR-ID 800CL.	
7000	CslAdv_IDAutoConvert	FormatException	Failed in converting the config information numerical value.	Confirm the system settings. If the problem is found in the system, reinstall DR-ID 800CL.	
7001	CslAdv_IDAutoConvert	GetSettingValue exception	An error occurred while checking the upper limit of the Config value.	Confirm the system settings. If the problem is found in the system, reinstall DR-ID 800CL.	
7001	CslAdv_IDAutoConvert	ProgressRatioOfPreIn MatchingKey NG >max	An error occurred while checking the upper limit of the Config value.	Confirm the system settings. If the problem is found in the system, reinstall DR-ID 800CL.	
7002	CslAdv_IDAutoConvert	ProgressRatioOfPreIn MatchingKey NG <min	An error occurred while checking the lower limit of the Config value.	Confirm the system settings. If the problem is found in the system, reinstall DR-ID 800CL.	
8000	CslAdv_IDAutoConvert	GuiAdpException	An error occurred in the GuiAdp conversion processing.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
8010	CslAdv_IDAutoConvert	GuiAdpException	An error occurred in the GuiAdp conversion processing.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
8020	CslAdv_IDAutoConvert	Monitor1Resolution	An error occurred while converting the screen resolution.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
8021	CslAdv_IDAutoConvert	SysDBCEXception	An error occurred while retrieving the resolution in system settings.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
9100	CslAdv_IDAutoConvert	GetDirectoryString(DirKey Config)	Failed in acquiring the config directory path.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
9101	CslAdv_IDAutoConvert	GetDirectoryString(DirKey Log)	Failed in obtaining the log file path.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
9102	CslAdv_IDAutoConvert	GetDirectory(DirKeyIDAC Work)	Failed in acquiring the working directory path.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
9999	CslAdv_Delivery	DeviceStateListData ChangeAttrString Failed.\r\n{0}\r\n{1}	Exception occurred when converting device attribute value of the database to the character string for display.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	DeviceStateListData ChangeStatusString Failed.\r\n{0}\r\n{1}	An exception occurred when converting device status of the database to character string for display.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace

Event	Event Source	Description	Causes	Remedies	Remarks
9999	CslAdv_Delivery	DeviceStateListData GetListData Failed.\r\n{0}\r\n{1}	An exception occurred when acquiring data for display of device status list.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	ListViewConfigFile LoadConfigFile Failed.\r\n{0}\r\n{1}	An exception occurred during reading process of XML file.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	ListViewConfigFile SaveConfigFile Failed.\r\n{0}\r\n{1}	An exception occurred during saving process of XML file.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	ListViewConfigFile. LoadBaseConfig - Not Defined <FontName>	NULL value or blank letter was notified in Font name.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	
9999	CslAdv_Delivery	ListViewConfigFile. LoadBaseConfig - Not Found <FontSize>	SelectSingleNode method of the root node returned Not Found.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	
9999	CslAdv_Delivery	ListViewConfigFile. LoadColumns - Not Found <Column><Alignment>	SelectSingleNode method of Alignment returned Not Found.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	
9999	CslAdv_Delivery	ListViewConfigFile. LoadColumns - Not Found <Column><MatchingType>	SelectSingleNode method of MatchingType returned Not Found.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	
9999	CslAdv_Delivery	ListViewConfigFile. LoadColumns - Not Found <Column><Name>	SelectSingleNode method of Name returned Not Found.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	
9999	CslAdv_Delivery	ListViewConfigFile. LoadColumns - Not Found <Column><Width>	SelectSingleNode method of Width returned Not Found.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	
9999	CslAdv_Delivery	ListViewConfigFile. LoadColumns - Parse Failed <Column><Alignment>\r\n{0}\r\n{1}	An exception occurred during reading process of Columns.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	ListViewConfigFile. LoadColumns - Parse Failed <Column> <MatchingType>\r\n{0}\r\n{1}	An exception occurred during reading process of Columns.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace

Event	Event Source	Description	Causes	Remedies	Remarks
9999	CslAdv_Delivery	ListViewConfigFile. LoadQuery - Not Defined <QueryName>	SelectSingleNode method of MatchingType returned Not Found.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	
9999	CslAdv_Delivery	ListViewConfigFile. LoadQuery - Not Found <MaxCount>	SelectSingleNode method of MaxCount returned Not Found.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	
9999	CslAdv_Delivery	Not Found RootNode	SelectSingleNode method of the root node returned Not Found.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	
9999	CslAdv_Delivery	OutputDB Close Failed.\r\n{0}\r\n{1}	An exception occurred in database disconnecting process.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputDB Connect Failed.\r\n{0}\r\n{1}	An exception occurred in database connecting process.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputDB Dispose Failed.\r\n{0}\r\n{1}	An exception occurred in Dispose (Dispose flag) process.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputDB OpenSQLDataset Failed.\r\n{0}\r\n{1}	An exception occurred in data set acquiring process.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputIndicator ChangeStatus Failed.\r\n{0}\r\n{1}	An exception occurred in process of changing to status display.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputIndicator dependency_OnChange Failed.\r\n{0}\r\n{1}	An exception occurred in database changing process.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputIndicator IndicatorLabel_Click ClickIndicator is null.	Click event of the indicator label is not set in the upper order.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	
9999	CslAdv_Delivery	OutputIndicator IndicatorLabel_Click Failed.\r\n{0}\r\n{1}	An exception occurred in click event processing.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace

Event	Event Source	Description	Causes	Remedies	Remarks
9999	CslAdv_Delivery	OutputIndicator Initialize Failed.\r\n{0}\r\n{1}	An exception occurred in initialization.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputIndicator Initialize GuiAdp Error.\r\n{0}\r\n{1}	An exception occurred in GUI initialization.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputIndicator InitSqlDependency ConnectionString is illegal.	NULL value or blank letter was notified to SQL server connection character string.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	
9999	CslAdv_Delivery	OutputIndicator InitSqlDependency Failed.\r\n{0}\r\n{1}	An exception occurred in initialization of SqlDependency.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputIndicator InitSqlDependency InvalidOperationException.\r\n{0}\r\n{1}	An operational exception occurred in initialization of SqlDependency.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputIndicator InitSqlDependency SqlException.\r\n{0}\r\n{1}	An SQL exception occurred in initialization of SqlDependency.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputIndicator SetSqlDependency Failed.\r\n{0}\r\n{1}	An exception occurred in setting process of SqlDependency.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputIndicator Terminate Failed.\r\n{0}\r\n{1}	An exception occurred in completion processing.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputIndicator Terminate SqlException.\r\n{0}\r\n{1}	An SQL exception occurred in completion processing.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputQueueListData ChangeDateString Failed.\r\n{0}\r\n{1}	An exception occurred in process of converting StudyDate value to date character string for display.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputQueueListData GetListData Failed.\r\n{0}\r\n{1}	An exception occurred in acquiring data for display of output queue list.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace

Event	Event Source	Description	Causes	Remedies	Remarks
9999	CslAdv_Delivery	OutputScreen DeleteButton_Click Failed.\r\n{0}\r\n{1}	An exception occurred in deleting process.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputScreen DevStsGroupButton_Click Failed.\r\n{0}\r\n{1}	An exception occurred in transition to device status display.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputScreen DevStsList_ OnErrEvent.\r\n{0}	Device status display list control error was notified.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Notification message
9999	CslAdv_Delivery	OutputScreen Initialize Failed.\r\n{0}\r\n{1}	An exception occurred in initialization.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputScreen InitializeMsgClient Failed.\r\n{0}\r\n{1}	An exception occurred in message client initialization.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputScreen InitializeMsgClient MsgClient.Init Failed.	Failed in message client initialization.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	
9999	CslAdv_Delivery	OutputScreen NextPageButton_Click Failed.\r\n{0}\r\n{1}	An exception occurred in notification processing of page forward button pressing.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputScreen NotifyVisibleScreen Failed.\r\n{0}\r\n{1}	An exception occurred in notification process of display/nondisplay switching.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputScreen OutQueueGroupButton_Click Failed.\r\n{0}\r\n{1}	An exception occurred in process of transition to output queue display.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputScreen OutQueueList_ OnErrEvent.\r\n{0}	Output queue display list control error was notified.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Notification message
9999	CslAdv_Delivery	OutputScreen OutQueueList_ Scroll Failed.\r\n{0}\r\n{1}	An exception occurred in notification processing of output queue display list control scroll.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace

Event	Event Source	Description	Causes	Remedies	Remarks
9999	CslAdv_Delivery	OutputScreen OutQueList_SelectionChanged Failed.\r\n{0}\r\n{1}	An exception occurred in change notification processing of output queue display list control selecting status.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputScreen PostMessage Failed.	Post processing of sending message returned an error.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	
9999	CslAdv_Delivery	OutputScreen PostMessage Failed.\r\n{0}\r\n{1}	An exception occurred in sending process of re-output/delete message.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputScreen PrevPageButton_Click Failed.\r\n{0}\r\n{1}	An exception occurred in notification processing of page backward button pressing.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputScreen ReceiveMsgFunc Error.\r\n{0}\r\n{1}	An exception occurred in message receiving process.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputScreen RefreshButton_Click Failed.\r\n{0}\r\n{1}	An exception occurred in display updating process.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
9999	CslAdv_Delivery	OutputScreen RetryButton_Click Failed.\r\n{0}\r\n{1}	An exception occurred in re-outputting process.	Check the setting parameter and then restart the application. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
10000		[MD10000] An error has occurred in completion processing of the Image Reader.	An error occurred in completion processing of the Image Reader.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10000		[QA10000] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10000	FFQRP	Another application instance is running.	Network Image Search function already runs.	Restart DR-ID 800CL.	
10001	CslAdv_Re	Send message fail.	Connection to firewall has been disconnected.	Restart DR-ID 800CL.	
10001		[MD10001] Failed in obtaining the information from the image database.	Failed in obtaining the information from the image database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10001		[QA10001] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
10001		[RE10001] Failed in entering information.	Failed in entering information.	Enter proper information in the input item that comes with a mark.	
10001		[SM10001] The hard disk is full.	The hard disk is full.	Delete unnecessary images from the list.	
10001		[ST10001] An error that disables to continue operation occurred.	An error that disables to continue operation occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10001	FFIdAutoConvert	* A method name and a failed process name are output depending on the error spot.	An unrecoverable error occurred in the process.	DR-ID 800CL restarts automatically. Restart DR-ID 800CL if it has frozen. If the same phenomenon recurred, reinstall the system.	* This part is appropriated from V4.0.
10001		[BR10001] An error occurred.	An error occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10001 to 19999	CslAdv_Study	1%	Failed in operating data.	Restart the application. If the same phenomenon recurred, reinstall the system.	1%: Error function name Excluding No. 1 to 44 IDs.
10001 to 19999	CslAdv_Study	* A method name and a failed process name are output depending on the error spot.	Failed in operating data.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
10002	CslAdv_Modality	%1 %2 ErrorNumber =%3, ErrorCode = %4, ExtraMessage =%5, DataSouceType = %6, messag_mode = %7, win_func = %8, selectorNo = %9, hostName = %10	An error was notified from the Image Reader.	Confirm the Image Reader.	%1: The module error occurred %2: Spot error occurred %3: Error character string ID %4: Error code %5: Detailed description for errors %6: ID for identifying the data source which this error character string ID is stored %7: Procedure of specifying means of error message display %8: WinFunc definition (FRUP) %9: Selector number %10: Host name
10002		[MD10002] Failed in setting the information to the image database.	Failed in setting the information to the image database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
10002		[QA10002] Failed in starting QA.	Failed in starting QA.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10002		[RE10002] Failed in reading the magnetic card.	Failed in reading the magnetic card.	Check the card.	
10002		[ST10002] Failed in receiving information from the magnetic card reader or barcode reader.	Failed in receiving information from the magnetic card reader or barcode reader.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10002		[SM10002] The remaining battery charge of the Console PC is low.	The remaining battery charge of the PC is low.	Stop operation and recharge the battery.	
10002	ClsAdv_Tomo	1%	An error occurred when changing image types (exposed image or re-exposed image).	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	1%: The spot of the error and its cause
10002		[BR10002] Failed in linking to the patient information display terminal.	Failed in linking to the patient information display terminal.	Check the patient information for the study that is currently in process and for the study that is displayed on the patient information display terminal.	
10003	CslAdv_Modality	%1 %2 %3 [ExceptionInfomation] %4	Failed in processing in the program.	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error outline %4: Error details
10003		[MD10003] Failed in issuing the image information.	Failed in issuing the image information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10003		[QA10003] Failed in accessing the data base.	Failed in accessing the data base.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10003		[RE10003] Failed in reading the magnetic card.	Failed in reading the magnetic card.	Swipe the card again or check the contents of the card.	
10003		[ST10003] Failed in setting the exposure result value.	Failed in setting the exposure result value.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10003		[SM10003] It has passed %s hours since the Console application started.	It has passed %s hours since the Console application started.	Restart the system. To continue the operations, click the button displayed on the screen.	%s: Time
10003	ClsAdv_Tomo	1%	An error occurred when changing image types (exposed image or re-exposed image).	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	1%: The spot of the error and its cause
10003		[TS10003] Failed in starting to retrieve images from PPU.	Failed in starting to retrieve images from PPU.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
10003	CslAdv_Re	Send report pps is failed	Has problem with when send report PPS or process update studystatus_ris_outflag is failed.	Restart DR-ID 800CL.	
10004	CslAdv_Modality	Remaining battery power is low	Remaining battery power is low.	Charge the battery.	
10004		[MD10004] Failed in obtaining the image information.	Failed in obtaining the image information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10004		[QA10004] Failed in acquiring study information of the image.	Failed in acquiring study information of the image.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10004		[RE10004] Failed in reading the barcode.	Failed in reading the barcode.	Try reading operation again.	
10004		[ST10004] Failed in setting information for the image database.	Failed in setting information for the image database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10004	ClsAdv_Tomo	1%	An error occurred when sending the image.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	1%: The spot of the error and its cause
10004		[SM10004] Failed in resetting the wireless LAN adapter.	Failed in resetting the wireless LAN adapter.	Restart the system. If the same error recurs after restarting the system, contact your service engineer.	
10005	CslAdv_Modality	If the same error recurs after restarting the system, contact your service engineer."	Retransmission execution has been selected.	Execute retransmission.	%1: The module error occurred %2: Spot error occurred %3: Selector number %4: Menu UID
10005	CslAdv_Modality	No remaining battery power.	No remaining battery power.	Charge the battery.	
10005		[MD10005] Failed in setting the image information.	Failed in setting the image information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10005		[QA10005] Failed in image rotation.	Failed in image rotation.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10005		[RE10005] Failed in acquiring information from the system setting.	Failed in acquiring information from the system setting.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10005		[ST10005] Failed in entering information.	Failed in entering information.	Input information is invalid. [*]Enter proper information in the input item that comes with a mark.	
10005	ClsAdv_Tomo	1%	An error occurred when sending the image.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	1%: The spot of the error and its cause

Event	Event Source	Description	Causes	Remedies	Remarks
10005		[QC10005] Failed in accessing image files.	Failed in accessing image files.	Click the close button on the QC execution window.	
10005		[SM10005] Failed in wireless LAN connection.	Failed in wireless LAN connection.	Move to a place with good radio wave reception, and execute network recovery.	
10006		[MD10006] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10006	ClsAdv_Tomo	Failed in processing finish copy one image	An error occurred when copying the images from PPU to console.	Check the connection to PPU server.	1%: The spot of the error and its cause
10006		[QC10006] Measurement processing cannot be implemented.	Measurement processing cannot be implemented.	Arrange the phantom position and perform an exposure again.	
10006		[SM10006] The hard disk is full.	The hard disk is full.	Delete unnecessary images from the list. If the error persists, contact your service engineer.	
10007	CslAdv_Modality	Remaining capacity disk error	Required hard disk space is insufficient.	Check the free space of the hard disk.	
10007		[QA10007] Failed in accessing the image file.	Failed in accessing the image file.	Check if other device has been activated first, and then execute this function again.	
10007		[RE10007] Failed in acquiring the study information.	Failed in acquiring the study information.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10007		[ST10007] Failed in communication with RIS.	Failed in communication with RIS.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10007		[QC10007] An error of unknown cause occurred.	An error of unknown cause occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10007		[SM10007] The system will be shut down because the remaining battery level of Console PC is low.	The system will be shut down because the remaining battery level of the PC is low.	Charge the battery.	
10007 to 10011	ClsAdv_Tomo	1%	An error occurred in the process to receive images from PPU.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	1%: The spot of the error and its cause

Event	Event Source	Description	Causes	Remedies	Remarks
10008	CslAdv_Modality	%1 %2 statusId = {%3}, DataSourceType = {%4}, selectorNo = {%5}, hostName = {%6}	Information was notified from the Image Reader.	Check the content displayed in the Image Reader status display dialogue.	%1: The module error occurred %2: Spot error occurred %3: ID of connected character string and status display character string %4: ID for identifying the data source which this error character string ID is stored %5: Selector number %6: Host name
10008		[QA10008] Failed in saving information.	Failed in saving information.	Check if other device has been activated first, and then execute this function again.	
10008		[RE10008] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10008		[ST10008] A communication error with RIS occurred.	A communication error with RIS occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10008		[QC10008] Failed in accessing the database.	Failed in accessing the database.	Click the close button on the QC execution window.	
10008		[TS10008] An error occurred while obtaining Image Information.	An error occurred while obtaining Image Information.	Click the button displayed on the screen.	* This function cannot be executed.
10008		[SM10008] The system has been shut down due to the low remaining battery level.	The system has been shut down due to the low remaining battery level.	Execute again after charging the battery.	
10009		[QA10009] Failed in saving the information.	Failed in saving the information.	Check if other device has been activated after completing the QA.	
10009		[RE10009] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10009		[ST10009] An communication error with RIS occurred.	An communication error with RIS occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10009		[QC10009] Failed to access the registry information.	Failed to access the registry information.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10009		[TS10009] An error occurred while obtaining the exposure menu name.	An error occurred while obtaining the exposure menu name.	Click the button displayed on the screen.	* This function cannot be executed.

Event	Event Source	Description	Causes	Remedies	Remarks
10010		[MD10010] An error occurred while changing an exposure technique.	An error occurred while changing an exposure technique.	Select the menu again.	
10010		[QA10010] An error occurred.	An error occurred.	Check if other device has been activated after completing the QA.	
10010		[RE10010] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10010		[ST10010] Failed in obtaining information from RIS.	Failed in obtaining information from RIS.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10010		[QA10010] An error occurred.	An error occurred.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
10010		[QC10010] Free hard disk space is not sufficient.	Free hard disk space is not sufficient.	Confirm the free space of the hard disk, and perform the operation again.	
10010		[TS10010] An error occurred while obtaining the mis-exposure status.	An error occurred while obtaining the mis-exposure status.	Click the button displayed on the screen.	* This function cannot be executed.
10011		[MD10011] Failed in setting the exposure size.	Failed in setting the exposure size.	Confirm the connected device.	
10011		[RE10011] Input of field name is invalid.	Input of field name is invalid.	Enter information correctly.	
10011		[ST10011] Failed in querying patient information.	Failed in querying patient information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10011		[QC10011] Failed in writing a file.	Failed in writing a file.	Check the output media status.	
10011		[TS10011] Image information could not be changed.	Image information could not be changed.	Click the button displayed on the screen.	* This function cannot be executed.
10012		[MD10012] Failed in setting the reference position for exposure.	Failed in setting the reference position for exposure.	Check the device.	
10012		[QA10012] Failed in applying the changes of trimming settings.	Failed in applying the changes of trimming settings.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10012		[RE10012] Failed in data access of magnetic card reader.	Failed in data access of magnetic card reader.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10012		[TS10012] An error occurred while saving information.	An error occurred while saving information.	Click the button displayed on the screen.	* This function cannot be executed.

Event	Event Source	Description	Causes	Remedies	Remarks
10013		[MD10013] Image size could not be detected.	Image size could not be detected.	Confirm the connected device.	
10013		[QA10013] Failed in accessing the database.	Failed in accessing the database.	Check if the host has been activated.	
10013		[RE10013] Failed in data access of magnetic card reader.	Failed in data access of magnetic card reader.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10013		[QC10013] Folder input incorrect.	Folder input incorrect.	Confirm the folder name.	
10013		[TS10013] An error occurred while starting up the control function of reconstruction queue.	An error occurred while starting up the control function of reconstruction queue.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
10013		[ST10013] Failed in automatic saving for QC study.	Failed in automatic saving for QC study.	Perform QC study saving on the study list screen.	
10014		[MD10014] Failed in registering the IP#.	Failed in registering the IP#.	Check the device.	
10014		[QA10014] An error occurred in image processing.	An error occurred in image processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10014		[QC10014] The image is illegal.	The image is illegal.	Arrange the phantom position and perform an exposure again.	
10014		[TS10014] Failed in switching exposure menu display.	Failed in switching exposure menu display.	Check the status of PPU and the connection with PPU, and switch the display of the exposure menu again.	
10015		[MD10015] This cassette cannot be registered properly. It has been registered to the following menu where image input is either being processed or stopped halfway. Patient name: %s Exposure menu: %s	This cassette cannot be registered properly. It has been registered to the following menu where image input is either being processed or stopped halfway. Patient name: %s Exposure menu: %s	Suspend the current study. Read then the cassette's IP# again on the Local WL list. If the menu is found, open the relevant study to check the state of such menu processing. Delete then the exposure menu if it is judged unnecessary.	
10015		[QA10015] Failed in accessing the database.	Failed in accessing the database.	Click the button displayed on the screen.	* This function cannot be executed.
10015		[QC10015] An error occurred.	An error occurred.	Perform re-exposure with a default size.	
10015		[TS10015] Failed in switching exposure menu display.	Failed in switching exposure menu display.	Click the button displayed on the screen.	
10016		[MD10016] The hard disk is full.	The hard disk is full.	Delete unnecessary images from the list.	

Event	Event Source	Description	Causes	Remedies	Remarks
10016		[QA10016] Failed in accessing the database.	Failed in accessing the database.	Click the button displayed on the screen.	* This function cannot be executed.
10016		[QC10016] Measurement processing cannot be implemented.	Measurement processing cannot be implemented.	Check to see if an image has been input.	
10016		[TS10016] Image information of the selected study could not be obtained.	Image information of the selected study could not be obtained.	Click the button displayed on the screen.	* This function cannot be executed.
10017		[MD10017] The exposure menu could not be determined.	The exposure menu could not be determined.	Check the device and select appropriate menus for the exposure again.	
10017		[QA10017] Failed in calculating the S or L value.	Failed in calculating the S or L value.	Restart the system.	
10017		[RE10017] Forbidden character(s) are contained.	Forbidden character(s) are contained.	Enter information correctly.	
10017		[QC10017] Measurement processing cannot be implemented.	Measurement processing cannot be implemented.	Enter a correct image.	
10017		[TS10017] Failed in loading the image information file.	Failed in loading the image information file.	Click the button displayed on the screen.	* This function cannot be executed.
10018		[MD10018] Failed in cancelling the exposure.	Failed in cancelling the exposure.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10018		[QA10018] An error occurred in ROI calculation.	An error occurred in ROI calculation.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10018		[QC10018] Measurement processing cannot be implemented.	Measurement processing cannot be implemented.	Set the size of the 1shot Phantom image to 24x30 or larger.	
10018		[TS10018] Failed in loading the exposure menu information.	Failed in loading the exposure menu information.	Click the button displayed on the screen.	
10019		[MD10019] Failed in reading the IP#.	Failed in reading the IP#.	Perform the read operation again.	
10019		[QA10019] An error occurred in Edge Reinforcement processing.	An error occurred in Edge Reinforcement processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10019		[QC10019] Measurement processing cannot be implemented.	Measurement processing cannot be implemented.	Use only the images from the same reader for one study.	
10019		[TS10019] Failed in loading image information files of exposure menus.	Failed in loading image information files of exposure menus.	Click the button displayed on the screen.	

Event	Event Source	Description	Causes	Remedies	Remarks
10020		[RE10020] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10020		[QC10020] Image with unsupported reading density is included.	Image with unsupported reading density is included.	Select an image with the designated reading density.	
10020		[TS10020] Failed in displaying the patient information.	Failed in displaying the patient information.	Click the button displayed on the screen.	* This function cannot be executed.
10021		[MD10021] Failed in image resecuring.	Failed in image resecuring.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10021		[QA10021] Failed in obtaining the login user.	Failed in obtaining the login user.	Restart the system.	
10021		[RE10021] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10021		[QC10021] Measurement processing cannot be implemented.	Measurement processing cannot be implemented.	Use only images with a same reading density.	
10021		[TS10021] Failed in displaying the exposure menu name and mis-exposure status.	Failed in displaying the exposure menu name and mis-exposure status.	Click the button displayed on the screen.	* This function cannot be executed.
10022		[MD10022] Failed in image inputting process in the image input sub-system.	Failed in image inputting process in the image input sub-system.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10022		[QA10022] Failed in updating the login user.	Failed in updating the login user.	Restart the system.	
10022		[RE10022] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10022		[QC10022] Data cannot be deleted.	Data cannot be deleted because the basic value data are included.	Select data without basic value data.	
10023		[MD10023] Image input processing has failed.	Image input processing has failed.	Restart the system. If image input failed again, restart the Reader Unit. If restarting the Reader Unit does not resolve the problem, contact your service engineer.	
10023		[QA10023] Failed in creating a temporary DDO file.	Failed in creating a temporary DDO file.	Restart the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
10023		[RE10023] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10023		[QC10023] Measurement processing cannot be implemented.	Measurement processing cannot be implemented.	Use only the images from the same reader for one study.	
10023		[TS10023] Failed in saving the information.	Failed in saving the information.	Confirm that the other device has been activated after completing the QA.	
10024		[MD10024] An error notification was issued by the Imager Reader. The target image may have been input erroneously in the study of details below: Patient ID: %s Patient name: %s Study date: %s Study time: %s	An error notification was issued by the Imager Reader. The target image may have been input erroneously in the study of details below: Patient ID: %s Patient name: %s Study date: %s Study time: %s	The image is registered to the study of details below: Exposure menu: %s IP number: %s Perform re-exposure if necessary. Then, subject the IP to image erasure processing on the Image Reader.	
10024		[QA10024] Failed in saving settings.	Failed in saving settings.	Restart the system.	
10024		[QC10024] Measurement processing cannot be implemented.	Measurement processing cannot be implemented.	Confirm if the specified reader has been registered.	
10024		[TS10024] Failed in saving the settings.	Failed in saving the settings.	Click the button displayed on the screen.	* This function cannot be executed.
10025		[QA10025] An error occurred in window processing.	An error occurred in window processing.	Restart the system.	
10025		[TS10025] Failed in calculating the S or L value.	Failed in calculating the S or L value.	Click the button displayed on the screen.	* This function cannot be executed.
10025		[QC10025] An error occurred.	An error occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10025		[MD10025] An error occurred.	An error occurred.	The menu whose IP number is registered does not exist. Select the menu again and register IP number.	
10026		[QA10026] Failed in automatic linkage of stitching images.	Failed in automatic linkage of stitching images.	Check the order, orientation and position of the images. Set the images to the same direction.	
10026	CslAdv_Qc	QCGridViewEx General Exception	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10026		[TS10026] An error occurred in ROI calculation.	An error occurred in ROI calculation.	Restart DR-ID 800CL.	
10027		[QA10027] Failed in accessing the database.	Failed in accessing the database.	Click the button displayed on the screen, and restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
10027		[TS10027] An error occurred while updating the state of reconstruction processing.	An error occurred while updating the state of reconstruction processing.	Restart DR-ID 800CL.	
10028		[QA10028] Failed in accessing the image file.	Failed in accessing the image file.	Ensure that the other unit is activated before executing this function again.	
10028		[RE10028] Failed in deleting an image file.	Failed in deleting an image file.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10028		[TS10028] The free space of HDD to start the reconstruction processing is insufficient.	The free space of HDD to start the reconstruction processing is insufficient.	Delete unnecessary images from the study list.	
10029		[QA10029] An error occurred in Magnification/Reduction function.	An error occurred in Magnification/Reduction function.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10030		[QA10030] An error occurred in Panning function.	An error occurred in Panning function.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10030		[RE10030] The date format is invalid.	The date format is invalid.	Enter again.	
10031		[QA10031] An error occurred in Magnification function.	An error occurred in Magnification function.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10031		[RE10031] Failed in query for RIS.	Failed in query for RIS.	Confirm the RIS.	
10031	CslAdv_Qc	QCInputEX General Exception	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10032		[QA10032] An error occurred in Reduction function.	An error occurred in Reduction function.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10032		[RE10032] Failed in data access of bar cord reader.	Failed in data access of bar cord reader.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10033		[QA10033] An error occurred in Actual size function.	An error occurred in Actual size function.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10033		[RE10033] Failed in data access of bar cord reader.	Failed in data access of bar cord reader.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10034		[QA10034] An error occurred in 1-to-1 pixel size function.	An error occurred in 1-to-1 pixel size function.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
10034		[RE10034] The input data from the barcode reader is invalid.	The input data from the barcode reader is invalid.	Enter the data again from the barcode reader.	
10035		[RE10035] Failed in acquiring the order information.	Failed in acquiring the order information.	Confirm the RIS.	
10035		[QA10035] Failed in executing the Smart-QA initialization.	Failed in executing the Smart-QA initialization.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10035		[ST10035] Failed in retrieving the order information.	Failed in retrieving the order information.	Check the status about the ordering device.	
10036		[RE10036] Memory is running out.	Memory is running out.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10036		[QA10036] Failed in executing the grid shading detection function.	Failed in executing the grid shading detection function.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10037		[RE10037] A time out occurred. Delivery cannot start.	A time out occurred. Delivery cannot start.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10037		[QA10037] Failed in executing the Smart-QA reset processing.	Failed in executing the Smart-QA reset processing.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10038		[RE10038] A time out occurred.	A time out occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10038		[QA10038] Failed in executing the Smart-QA analysis.	Failed in executing the Smart-QA analysis.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10039		[RE10039] A timeout occurred.	A timeout occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10040		[RE10040] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10041		[RE10041] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10042		[RE10042] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10043		[RE10043] The RIS unit is offline.	The RIS unit is offline.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
10044		[RE10044] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10045		[RE10045] A time out occurred. The order information confirmation dialog cannot be opened.	A time out occurred. The order information confirmation dialog cannot be opened.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10046		[RE10046] The RIS unit is offline.	The RIS unit is offline.	Ensure that the device has been activated and connected to a network.	
10047		[RE10047] This operation is not allowed.	This operation is not allowed.	Login again with an authorized username.	
10050		[RE10050] Failed in accessing the setting file.	Failed in accessing the setting file.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10051		[RE10051] Failed in acquiring the study information.	Failed in acquiring the study information.	Update the study list.	
10052		[RE10052] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10053		[RE10053] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10054		[RE10054] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10055		[RE10055] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10056		[RE10056] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10057		[RE10057] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10057	CslAdv_QA	QACommon.dll AdjustImgCtrl - (JudgePairMenu) (JudgeIs2on1Menu) - <expcetion content>	Failed in judgment of the 2ON1 menu or the pair menu.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
10058		[RE10058] The RIS unit is offline.	The RIS unit is offline.	Ensure that the device has been activated and connected to a network.	
10059		[RE10059] Failed in reading the order information.	Failed in reading the order information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
10060	CslAdv_Re	Unknow error when receive messag from FW	An unknown exception occurred when receiving message from firewall.	Restart the system.	
10060		[RE10060] Failed in registering the patient information.	Failed in registering the patient information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10061	CslAdv_Re	Create lock object fail.	Failed in creating the Locked object.	Restart DR-ID 800CL.	
10061		[RE10061] Failed in reserving studies.	Failed in reserving studies.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10062		[RE10062] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10063		[RE10063] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10064		[RE10064] Failed in reading the result data from the F-RIS system.	Failed in reading the result data from the F-RIS system.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10065		[RE10065] Failed in requesting to switch the current user.	Failed in requesting to switch the current user.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10065	CslAdv_Re	Failed in start manual study from KensinOrder	An error occurred while starting a study.	Restart DR-ID 800CL.	
10065	CslAdv_QA	QA.exe QAScreen vwMammoAlignmentCtrl_RefreshImage - <exception content>	Failed in updating the image display when clicking [ON] or [OFF].	Perform the search again. If the same phenomenon recurred, restart DR-ID 800CL.	
10066		[RE10066] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10067		[RE10067] Failed in accessing the data base.	Failed in accessing the data base.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10068		[RE10068] Failed in accessing the data base.	Failed in accessing the data base.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10069		[RE10069] Failed in accessing the data base.	Failed in accessing the data base.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10070		[RE10070] Failed in accessing the data base.	Failed in accessing the data base.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
10071		[RE10071] Failed in accessing the data base.	Failed in accessing the data base.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10072		[RE10072] Failed in accessing the data base.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10073		[RE10073] Failed in converting the patient information.	Failed in converting the patient information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10074		[RE10074] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10075		[RE10075] The RIS unit is offline.	The RIS unit is offline.	Restart the system.	
10076		[RE10076] Failed in starting the study.	Failed in starting the study.	Restart the system.	
10077		[RE10077] Failed in sending exposure results.	Failed in sending exposure results.	Restart the system.	
10078		[RE10078] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10079		[RE10079] Failed in magnetic card reader processing.	Failed in magnetic card reader processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10080		[RE10080] Failed in barcode reader processing.	Failed in barcode reader processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10081		[RE10081] Failed in magnetic card reader processing.	Failed in magnetic card reader processing.	The card type is not acceptable. Check the card type.	
10082		[RE10082] Failed in barcode reader processing.	Failed in barcode reader processing.	Retry or check the card content.	
10083		[RE10083] Failed in magnetic card reader processing.	Failed in magnetic card reader processing.	Retry or check the card content.	
10084		[RE10084] Failed in executing the study.	Failed in executing the study.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10085		[RE10085] Failed in starting the study.	Failed in starting the study.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10086		[RE10086] The beginning date is set earlier than the ending date.	The beginning date is set earlier than the ending date.	Set the ending date later than the beginning date.	

Event	Event Source	Description	Causes	Remedies	Remarks
10087		[RE10087] Failed in activating RIS.	Failed in activating RIS.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10088		[RE10088] Failed in data processing from RIS.	Failed in data processing from RIS.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10089		[RE10089] The latest search conditions could not be loaded.	The latest search conditions could not be loaded.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10090		[RE10090] The latest search conditions could not be saved.	The latest search conditions could not be saved.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10091		[RE10091] A temporary folder for setting a MWM worklist could not be created.	A temporary folder for setting a MWM worklist could not be created.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10092		[RE10092] A communication error with RIS occurred.	A communication error with RIS occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10093		[RE10093] An error occurred in communication with RIS.	An error occurred in communication with RIS.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10094		[RE10094] Failed in communication with RIS.	Failed in communication with RIS.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10097		[RE10097] Information from RIS could not be obtained.	Information from RIS could not be obtained.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10098		[RE10098] Failed in starting the MWM search setting form.	Failed in starting the MWM search setting form.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10099		[RE10099] The custom setting of MWM worklist has become disabled.	The custom setting of MWM worklist has become disabled.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10100		[RE10100] No executable study is found.	No executable study is found.	Click the button displayed on the screen.	
10101		[RE10101] The DDO file of MWM worklist cannot be deleted.	The DDO file of MWM worklist cannot be deleted.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10102		[RE10102] Failed in searching patient information.	Failed in searching patient information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10103		[RE10103] Free layout print: Failed in unlocking the object.	Free layout print: Failed in unlocking the object.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
10104		[RE10104] Data from RIS cannot be displayed.	Data from RIS cannot be displayed.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10105		[RE10105] The latest search conditions cannot be loaded.	The latest search conditions cannot be loaded.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10106		[RE10106] The latest search conditions cannot be stored.	The latest search conditions cannot be stored.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10107		[RE10107] Data returned from RIS cannot be stored.	Data returned from RIS cannot be stored.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10108		[RE10108] Barcode data cannot be obtained.	Barcode data cannot be obtained.	Re-input from BCR.	
10109		[RE10109] Data returned from RIS cannot be used to create exposure menus or film output numbers.	Data returned from RIS cannot be used to create exposure menus or film output numbers.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10110		[RE10110] Failed in switching the user.	Failed in switching the user.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10111		[RE10111] The RIS unit is offline.	The RIS unit is offline.	Ensure that the device has been activated and connected to a network.	
10112		[RE10112] Failed in starting the MWM form search setting.	Failed in starting the MWM form search setting.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10113		[RE10113] Failed in restoring the image data base.	Failed in restoring the image data base.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10115		[RE10115] Failed in storing data returned from RIS.	Failed in storing data returned from RIS.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10116		[RE10116] Failed in querying patient information.	Failed in querying patient information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10117		[RE10117] Failed in updating the setting file for customize study list.	Failed in updating the setting file for customize study list.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
10120		[RE10120] Study information could not be collected.	Study information could not be collected.	Ensure that the device has been activated and connected to a network.	
10121		[RE10121] The RIS unit is offline.	The RIS unit is offline.	Ensure that the device has been activated and connected to a network.	

Event	Event Source	Description	Causes	Remedies	Remarks
10122		[RE10122] Invalid patient information has been entered.	Invalid patient information has been entered.	Enter patient information again.	
10123		[RE10123] Free space to save data is insufficient.	Free space to save data is insufficient.	Select another destination for data storage.	
10124		[RE10124] An error has occurred while saving local data.	An error has occurred while saving local data.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
10125		[RE10125] The specified folder is not authorized to save a study.	The specified folder is not authorized to save a study.	Select another destination for data storage.	
10126		[RE10126] Some of the studies cannot be saved.	Some of the studies cannot be saved.	Select studies again.	
10127		[RE10127] The study cannot be started while processing is in progress.	The study cannot be started while processing is in progress.	Click the button displayed on the screen to perform the processing in progress. Start study again after completing the processing.	
10128		[RE10128] Failed in sending exposure results.	Failed in sending exposure results.	Click the button and continue other processing.	
10128	CslAdv_QA	QA.exe QAScreen vwExposureListView_ OnChangelmageOrder - <exception content>	Fire event OnFinishedAnalyze(uniqueKey, result) of AC::IRS failed.	Open the study and perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
10129		[RE10129] The specified path was not found.	The specified path was not found.	Enter the path again.	
10130		[RE10130] The study cannot be deleted while processing is in progress.	The study cannot be deleted.	Click the button and continue other processing.	
10131		[RE10131] The study cannot be locked or unlocked while processing is in progress.	The study cannot be locked or unlocked while processing is in progress.	Click the button and continue other processing.	

Event	Event Source	Description	Causes	Remedies	Remarks
10131	CslAdv_QA	QACommon.dll AdjustImgCtrl - (IsAutoAdjustment) (JudgeAdjustment Conditions) (JudgeAdjustmentConditions ForDeliverySettingView) (ConfirmAndDeletePairProc) (DeletePairProc) (ConfirmAndRelease AdjustmentProc) (ReleaseAdjustmentProc) (ReleaseAdjustment PartnerProc) (HandlePairAndAdjustment ForImageLaterality) (ConfirmAndRelease AdjustmentForDelivery SettingView) (GetMenuAndPartner MenuIndex) (JudgeImageLR) (JudgeImageSize) - <expcetion content>	Call function failed.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
10131	CslAdv_QA	QA.exe IRSHelper - (Analyze) (Reset) (GetImageInfo) - <exception content> QAScreen - (ReAnalyzeIRSCurrent Image) (AnalyzeIRSCurrentImage) (irsHelper_OnFinish Analyze) (irsHelper_OnRequest AutoAdjust) (vwTrimmingCtrl_On ApplyingChange) - <exception content>	Call function failed.	Open the study and perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
10131	CslAdv_QA	QATrimmingCtrl.dll TrimmingCtrl HandleReleaseAdjustment PartnerImgInfo - <exception content>	Call function failed.	Open the study and perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
10131	CslAdv_QA	QAOrderInfoChgCtrl.dll OrderInfoMainView - (HandlePairAndAdjustment) - <exception content>	Call function failed.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
10132		[RE10132] Unable to process because a study currently in progress exists in the selected studies.	Unable to process because a study currently in progress exists in the selected studies	Select a study again.	
10133		[RE10133] Patient ID auto- convert function cannot be started.	Patient ID auto-convert function cannot be started.	Click the button and continue the processing.	
10133	CslAdv_QA	QACommon.dll AdjustImgCtrl - (ReleaseAdjustment) - <expcetion content>	Release Adjustment failed.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
10133	CslAdv_QA	QA.exe QAScreen - (frmOutputSetting_ SavingSetting) (vwTrimmingCtrl_ OnApplyingChange) (vwImageRotationCtrl_ ChangeApplying) - <exception content>	Release Adjustment failed.	Open the study and perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
10134		[RE10134] Failed in reading the setting file.	Failed in reading the setting file.	Click the button and confirm the setting file.	
10135		[RE10135] Converted data cannot be obtained.	Converted data cannot be obtained.	Click the button and continue the processing.	
10136		[RE10136] QA cannot be completed.	QA cannot be completed.	Click the button displayed on the screen.	
10138		[RE10138] The selected study is unable to execute the QC.	The selected study is unable to execute the QC.	Check that the image has been read by Image Reader for which QC can be implemented.	
10139		[RE10139] Study suspension processing has been completed except for some studies.	Study suspension processing has been completed except for some studies.	For studies which could not be suspended, reserve them again from the ordering system.	
10150	CslAdv_QA	QA.exe IRSHelper - (ShowContent) - <exception content>	Failed in showing IRS result.	Open the study and perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
10151	CslAdv_QA	QA.exe IRSHelper - (AutoAdjust) (contentViewer_ OnFinishedShowContents) - <exception content>	Failed in applying IRS auto adjustment.	Open the study and perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
10152	CslAdv_QA	QA.exe IRSHelper - (Analyze) - <exception content>	Failed in applying IRS analyze process.	Open the study and perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
10153	CslAdv_QA	QA.exe IRSHelper - (Terminate) - <exception content>	Failed in terminating IRS.	Restart DR-ID 800CL.	
10154	CslAdv_QA	QA.exe IRSHelper - (Reset) - <exception content> QAScreen - (ReAnalyzeIRS) (ReAnalyzeIRSCurrent Image)- <exception content>	Failed in resetting IRS.	Open the study and perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
10155	CslAdv_QA	QA.exe IRSHelper - (EnableAutoAdjust) - <exception content>	Failed in enabling/disabling IRS's auto adjustment function.	Open the study and perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
10156	CslAdv_QA	QA.exe IRSHelper - (talker_ OnFinishedAnalyze) - <exception content> QAScreen - (irsHelper_ OnRequestAutoAdjust)- <exception content>	Failed in accessing CSL database.	Check that the _console_db exists and DR-ID 800CL.	
10157	CslAdv_QA	QA.exe IRSHelper - (IsExistContents) - <exception content>	Failed in checking existence of contents of IRS.	Open the study and perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
10158	CslAdv_QA	QA.exe IRSHelper - (talker_ OnFinishedAnalyze) - <exception content> QAScreen - (ReAnalyzeIRS) (ReAnalyzeIRSCurrent Image) - <exception content>	IRS' analyzing returned result is error.	Open the study and perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
10200	CslAdv_Re	Log directory not exist	Log directory could not be acquired from Directory.ini.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
10203	CslAdv_Qc	Load resource (captions, icons, tooltips) error	Resource data for QC cannot be acquired. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10205	CslAdv_Qc	Initialize QCAutoCalc object fail.	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10206	CslAdv_Qc	Initialize QCAutoCalc object fail. Error code {0}	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	{0}: Error code
10207	CslAdv_Qc	MainContainer General exception	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10235	CslAdv_Re	Could not load data from DDO files to memory.	DDO file corresponding to the study has been deleted.	Check that the DDO file corresponding to the select study exist in "C:\Program Files\Fujifilm\IIP\Data\Image" folder. If the DDO file corresponding to the select study does not exist, register the study again.	
10235	CslAdv_Re	Could not save DDO object into DDO file.	DDO file corresponding to the study has been deleted, or is read-only file.	Check that the DDO file corresponding to the select study exist in "C:\Program Files\Fujifilm\IIP\Data\Image" folder. If the file does not exist, register the study again. If the file is read-only file, release the read-only property and then rerun the file.	
10235	CslAdv_Re	Could not set study date to DDO object.	DDO file corresponding to the study has been deleted, or is read-only file.	Check that the DDO file corresponding to the select study exist in "C:\Program Files\Fujifilm\IIP\Data\Image" folder. If the file does not exist, register the study again. If the file is read-only file, release the read-only property and then rerun the file.	

Event	Event Source	Description	Causes	Remedies	Remarks
10235	CslAdv_Re	Exception of AC::lmgDBCEX	<ul style="list-style-type: none"> • _console_db does not exist. • Connection with the SQL server was disconnected. • The SQL service has been stopped. 	<p>Confirm connection with the SQL server. If the application is not connected to the SQL server, set up the connection with the server.</p> <p>Check if the SQL service has been stopped. If the service has been stopped, restart the application.</p> <p>Back up the data of _console_db and then recreate _console_db.</p> <p>Restart DR-ID 800CL.</p>	
10235	CslAdv_Re	Failed in accessing into the console image db	<ul style="list-style-type: none"> • _console_db does not exist. • Connection with the SQL server was disconnected. • The SQL service has been stopped. 	<p>Confirm connection with the SQL server. If the application is not connected to the SQL server, set up the connection with the server.</p> <p>Check if the SQL service has been stopped. If the service has been stopped, restart the application.</p> <p>Back up the data of _console_db and then recreate _console_db.</p> <p>Restart DR-ID 800CL.</p>	
10235	CslAdv_Re	Failed in accessing into the receipt image db	An error occurred while updating the information on study date and on releasing of the ownership.	Restart DR-ID 800CL.	
10235	CslAdv_Re	Could not save DDO object into DDO file	An error occurred while updating the information on study date and on releasing of the ownership.	Restart DR-ID 800CL.	
10235	CslAdv_Re	The study time could not be set to the DDO object.	The DDO file corresponding to the study was deleted or is a read-only file.	Restart DR-ID 800CL.	
10236	FW	Initialize communication failed.	Failed in Linker initialization.	Check the setting of Linker library, and then restart the system.	
10236	FW	Send wakeup cancelled failed.	Failed in notifying the message of "wakeup cancelled" from MiniCooper to Console.	Check the setting of Linker library, and then restart the system.	
10236	FW	Send wakeup completed failed.	Failed in notifying the message of "wakeup completed" from MiniCooper to Console.	Check the setting of Linker library, and then restart the system.	
10240	CslAdv_Re	Access to list view config file failed	<ul style="list-style-type: none"> • "C:\Program File\Fujifilm\IIP\Work\Reception" folder is a read-only folder. • Login user does not have the authority to edit. 	<p>Restart DR-ID 800CL.</p> <p>If the same error recurs after restarting, reinstall DR-ID 800CL.</p>	
10257	CslAdv_Study	Display SL to error	It fails when display SL value.	<p>Restart DR-ID 800CL.</p> <p>If the same error recurs after restarting, reinstall DR-ID 800CL.</p>	
10260	CslAdv_Re	XML file not exist	<ul style="list-style-type: none"> • The file (PluginDefinition.xml, or PluginDefinition.xsd) to read the plugin definition information does not exist. • The path to the file does not exist. 	<p>Restart DR-ID 800CL.</p> <p>If the same error recurs after restarting, reinstall DR-ID 800CL.</p>	

Event	Event Source	Description	Causes	Remedies	Remarks
10261	CslAdv_Re	Read plugin definition xml file error	<ul style="list-style-type: none"> The file (PluginDefinition.xml, or PluginDefinition.xsd) to acquire the plugin definition information does not exist. The path to the file does not exist. 	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
10281	CslAdv_Re	Failed in saving into the CustomizeStudyList.xml	The path to the folder which stores CustomizeStudyListInfo.xml does not exist.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
10300	CslAdv_Qc	Save QC data occurs error	An error occurred when saving the QC data. An already existing file might not be overwritten.	Confirm the authority and the free space for the destination folder to save.	
10301	CslAdv_Qc	Error when read tag ({0:X8})	QC data is illegal. Some necessary information is not included in DDO files.	Perform an exposure again. If the same phenomenon recurred, reinstall DR-ID 800CL.	{0:X8}: DDO tag ID
10302	CslAdv_Qc	Check QC conditions failed	Selected data may not satisfy QC measurement condition.	The data may not be supported. If the same phenomenon recurred, expose an the image again.	
10303	CslAdv_Qc	ImpView General exception	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10315	CslAdv_Qc	Folder folder Browser Dialog exeception	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10316	CslAdv_Qc	Display study infor error. Error code: {0}	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	{0}: Error code
10321	CslAdv_Qc	Load buffer from file error.	RAW images and thumbnail images are not in the selected folder.	Perform an exposure again. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10322	CslAdv_Qc	Create xml LUT parameters error. Error code {0}	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	{0}: Error code
10323	CslAdv_Qc	Create LUT table error. Error code {0}	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	{0}: Error code
10324	CslAdv_Qc	Process trimming error. Errr code {0}	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	{0}: Error code
10325	CslAdv_Qc	Process compress JPEG error. Error code {0}	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	{0}: Error code
10326	CslAdv_Qc	Decode JPEG Error. Error code {0}	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	{0}: Error code
10327	CslAdv_Qc	Generate XML parameter for FCR processing error. Error code {0}	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	{0}: Error code
10328	CslAdv_Qc	Process FCR Error. Error code {0}	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	{0}: Error code
10335	CslAdv_Study	Failed in constructor	It fails when constructor form.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
10336	CslAdv_Qc	Display thumbnail image error	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10336	CslAdv_Study	Failed in Set value	It fails in set irradiation area, size, position, direction, irradiation link in form.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10337	CslAdv_Study	Failed in get menu information	It fails when get information about size, position, direction, irradiation link in form.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10338	CslAdv_Study	Failed in initialize	It fails when initialize form.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10339	CslAdv_Study	Failed in set icon to control	It fails in set icon to control.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10340	CslAdv_Study	Failed in set text to control	It fails in set text to control.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10341	CslAdv_Study	Failed in set font size to control	It fails in set font size to control.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10342	CslAdv_Study	Failed in set display control	It fails in set display control in form.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10346	CslAdv_Qc	Load basic value from DB failed	Failed in accessing the database.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10347	CslAdv_Qc	QCResult General exception	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10367	CslAdv_Qc	Divide By Zero Exception	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10368	CslAdv_Qc	Invalid Cast Exception	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10369	CslAdv_Qc	Index Out Of Range Exception	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10370	CslAdv_Qc	Argument Out Of Range Exception	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10372	CslAdv_QA	QA.exe QAScreen - (imageControlView_ ButtonClick) - <exception content>	Failed in showing IRS result.	Open the study and perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
10373	CslAdv_QA	QA.exe QAScreen - (irsHelper_ OnRequestAutoAdjust) - <exception content>	Failed in applying IRS auto adjustment.	Open the study and perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
10393	CslAdv_Re	A general error occurred.	An error occurred in FLPDataAccessor.	Restart DR-ID 800CL.	
10400	CslAdv_Qc	Unauthorized Access Exception	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10400		[TS10400] An error occurred while displaying the representative reconstruction image.	An error occurred while displaying the representative reconstruction image.	Check the status of PPU and the connection with PPU, and restart the system.	
10401	CslAdv_Qc	Argument Exception	QC components crashed. DR-ID 800CL may not have been installed correctly.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10401		[TS10401] An error occurred while closing the representative reconstruction dialog.	An error occurred while closing the representative reconstruction dialog.	Check the status of PPU and the connection with PPU, and restart the system.	
10401	CslAdv_Re	No study can start Study/QA	No study is capable of starting study/QA.	Select another study.	
10402	CslAdv_Qc	Path Too Long Exception	When saving QC data, its file path is longer than Windows's.	Confirm the file path length.	
10402		[TS10402] An error occurred while displaying images.	An error occurred while displaying images.	Check the status of PPU and the connection with PPU.	
10403	CslAdv_Qc	Directory Not Found Exception	The folder selected to save QC file does not exist.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10403		[TS10403] An error occurred while processing images.	An error occurred while processing images.	Check the status of PPU and the connection with PPU.	
10405 to 10415	ClsAdv_Tomo	1%	An error occurred in TomoImageDisplayMgrCtrl.dll. Failed in displaying images.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	1%: The spot of the error and its cause
10411	CslAdv_Re	Get PatientInfo false	The data cannot be saved into the Patient database.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
10413		[TS10413] Failed in switching image display.	Failed in switching image display.	Check the status of PPU and the connection with PPU.	
10419	CslAdv_Re	Conver to JIS false	The data format to be converted is invalid.	Restart DR-ID 800CL.	
10422	CslAdv_Qc	Save standard data to database failed.	Failed in accessing the database.	Restart QC. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
10431	CslAdv_Re	Failed in access configuration file for setting display Patient List screen	<ul style="list-style-type: none"> The CustomizePatientListInfo.xml file does not exist. The format is invalid. 	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10432	CslAdv_Study	Failed update Information	Update Information set mode fail.	Restart DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
10454	ClsAdv_Tomo	+ ArgumentException	An error occurred when acquiring the path to image processing folder.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10500	CslAdv_Re	Warning log relate with GUI	An error occurred in displaying the window.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10500		[TS10500] Display layout of images could not be changed.	Display layout of images could not be changed.	Check the status of PPU and the connection with PPU.	
10500 to 10509	CslAdv_QA	QADBAccessor.dll QADBAccessor 1%	A database access error occurred.	Restart the application. If the same phenomenon recurred, initialize the database.	1%: Spot error occurred
10501		[TS10501] Failed in switching display of images.	Failed in switching display of images.	Check the status of PPU and the connection with PPU, and switch the menu display again.	
10565	FFQRP	Create file QRPFinish.xml failed	An exception occurred while creating QRPFinish.xml file.	Check the permission folder again.	
10600		[TS10600] An error occurred while loading the data object.	An error occurred while loading the data object.	Check the status of PPU and the connection with PPU.	
10601	CslAdv_Re	Does not have a normal image exist in a study. Cannot continue processing.	The selected studies contain invalid images.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10601		[TS10601] An error occurred while updating the DDO file.	An error occurred while updating the DDO file.	Check the DDO file, and execute the processing again.	
10603	CslAdv_Re	Failt in get Posession	Possession has been used by other service engineers.	Restart DR-ID 800CL.	
10606	CslAdv_Re	No neither received messages content	IDAutoConvert failed in generating the XML file.	Restart DR-ID 800CL.	
10609	CslAdv_Re	The QC target does not meet the Start QC conditions.	<ul style="list-style-type: none"> No DDO files exist. An error occurred in opening DDO file. The target is DR image. 	Check that the QC data of the object are a CR image. Implement saving of the QC data again.	
10610	CslAdv_Re	Unknown error when interact with plugin commands	Hard disk space required for performing SaveQC is insufficient.	Check the free space of the hard disk. Delete unnecessary studies from the application.	

Event	Event Source	Description	Causes	Remedies	Remarks
10623	CslAdv_QA	QAFCRImgParamChgCtrl.dll FCRImgParamChgCtrl (SetParamList) - <exception content>	Set Param list failed.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
10628	CslAdv_QA	QAFCRImgParamChgCtrl.dll FCRImgParamChgCtrl (GetParamList) - <exception content>	Get Param list failed.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
10633	CslAdv_Re	Failed in accessing into the DDO files for update to start study from study list	The path to the folder which stores the DDO file does not exist. • No DDO files exist. • DDO files are being to the read only file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10634	CslAdv_Re	Failed in copying the study data (This event is the log at the View hierarchy)	An error occurred during the copy of the data to save QC images.	Restart DR-ID 800CL.	
10635	CslAdv_Re	No authority to access the saving destination folder (This event is the log at the View hierarchy)	No authority to write the data to the saving destination folder.	Restart DR-ID 800CL.	
10636	CslAdv_Re	File was not found (This event is the log in layer view)	An error occurred when accessing the file.	Restart DR-ID 800CL.	
10637	CslAdv_Re	File was not found (This event is the log at the View hierarchy)	An error occurred when accessing the DDO file of the study acquiring the information for saving QC images.	Restart DR-ID 800CL.	
10638	CslAdv_Re	Failed in creating a new folder (This event is the log at the View hierarchy)	An error occurred when creating the folder to save QC images.	Restart DR-ID 800CL.	
10639	CslAdv_Re	Failed in copying a file (This event is the log at the View hierarchy)	An error occurred during the copying of a file from the saving source folder to the saving destination folder.	Restart DR-ID 800CL.	
10639	CslAdv_QA	QAFCRImgParamChgCtrl.dll FCRImgParamChgCtrl (CalculateChangeValue) - <exception content>	CalculateChangeValue is failed.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
10640	CslAdv_Re	File copying process has not been completed (but one or more copied files exist) (This event is the log at the View hierarchy)	An error occurred during the copying of a file from the saving source folder to the saving destination folder.	Save QC data again.	

Event	Event Source	Description	Causes	Remedies	Remarks
10700		[TS10700] The reconstruction conditions cannot be obtained from the DDO file.	The reconstruction conditions cannot be obtained from the DDO file.	Check the DDO file, and execute the processing again.	
10701		[TS10701] Invalid reconstruct condition exists. Please input reconstruct conditions again.	Invalid reconstruct condition exists.	Check the reconstruction conditions, and execute the reconstruction processing again.	
10702		[TS10702] The parameter value to register the reconstruction by PPU is invalid.	The parameter value to register the reconstruction by PPU is invalid.	Check the parameters, and execute the reconstruction processing again.	
10740	FFQRP	This image is not supported by system.	An image which is not supported exists in the study.	Confirm whether the tomosynthesis image or the image exposed with long view menu for outputting individually in the study exists or not.	
10801	CslAdv_Re	Failed in update customize study list configuration file	<ul style="list-style-type: none"> The CustomizeStudyListInfo.xml file does not exist. The file is being to the read only file. 	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10801		[TS10801] An error occurred while monitoring job status.	An error occurred while monitoring job status.	Check the status of PPU and the connection with PPU.	
10850	CslAdv_Re	Update customize study list is failed	An error occurred in writing the "CustomizeStudyListInfo.xml" file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
10900		[TS10900] An error occurred while obtaining the reconstruction status of the current job.	An error occurred while obtaining the reconstruction status of the current job.	Check the status of PPU and the connection with PPU.	
10901		[TS10901] Reconstruction processing could not be canceled.	Reconstruction processing could not be canceled.	Check the status of PPU and the connection with PPU.	
10903		[TS10903] The priority of reconstruction processing could not be changed.	The priority of reconstruction processing could not be changed.	Check the status of PPU and the connection with PPU.	
10904		[TS10904] An error occurred while reconstructing the current job again.	An error occurred while reconstructing the current job again.	Check the status of PPU and the connection with PPU.	
11000	CslAdv_Mdlf	Module=%1, Class=%2, Method=%3, %4	Defective program (error).	Restart the application. If the same phenomenon recurred, reinstall the system.	%1: File name %2: Class name %3: Method name %4: Detail message
11000		[MD11000] System error occurred.	System error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
11000	ClsAdv_Tomo	ClsAdv_AC_GuiAdp:GeneralFailure processID:5860 MutexDBConnection() retry out System.Data.OleDb.OleDbException: Could not find file 'c:\Program files\FujiFilm\IIP\GUI\Icon\Icon.mdb'.	An error occurred in TomoMenuDispCtrl.dll. Cannot load mis-exposure icon.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11000 to 11099	ClsAdv_QA	QADeliverySetting.dll/1%	Failed in output processing.	Check the output device status and perform a process again.	1%: Spot error occurred
11001		[MI11001] Failed in initialization of dose area product meter.	Failed in initialization of dose area product meter.	Check the dose area product meter.	
11001	FFIdAutoConvert	* A method name and a failed process name are output depending on the error spot.	Failed in manipulating the data.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	* This part is appropriated from V4.0.
11002		[MD11002] A system communication error has been detected.	A system communication error has been detected.	Restart the system. If no image is displayed on the console even after making x-ray exposures, perform re-exposure as necessary.	
11003		[MD11003] Failed in setting patient information.	Failed in setting patient information.	Contact your maintenance service engineer. Press the button below to close the dialog box and shut down the system.	
11004		[MD11004] Failed in communication with the connected device.	Failed in communication with the connected device.	Check the device.	
11005		[MD11005] No response comes from the connected device.	No response comes from the connected device.	Check the device.	
11006		[MD11006] The operation failed.	The operation failed.	Confirm that no image is being input. Confirm the connection with device.	
11010		[MD11010] The status displaying part is unable to reflect the system status.	The status displaying part is unable to reflect the system status.	Restart the system. If no image is displayed on the console even after making x-ray exposures, perform re-exposure as necessary.	
11011		[MD11011] Failed in obtaining information from the Image Reader.	Failed in obtaining information from the Image Reader.	Check the Image Reader status.	
11012		[MD11012] Failed in obtaining the Image Reader status information.	Failed in obtaining the Image Reader status information.	Check the Image Reader status.	

Event	Event Source	Description	Causes	Remedies	Remarks
11013		[MD11013] Failed in obtaining the Image Reader error information.	Failed in obtaining the Image Reader error information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
11016		[MD11016] Remaining battery power is low	Remaining battery power is low	Charge immediately to avoid losing images.	
11017		[MD11017]No remaining battery power.	No remaining battery power.	Exposure cannot be performed any longer. Charge the battery.	
11018		[MD11018] An image reader with low remaining battery power exists.	An image reader with low remaining battery power exists.	Check the Image Reader status.	
11019		[MD11019] An image reader without remaining battery power exists.	An image reader without remaining battery power exists.	Check the Image Reader status.	
11020		[MD11020] Failed in controlling the Image Reader conditions.	Failed in controlling the Image Reader conditions.	Check the Image Reader status.	
11021		[MD11021] The command requested to the Image Reader was not executed.	The command requested to the Image Reader was not executed.	Check the Image Reader status.	
11021		[MI11021] Connection line with the X-ray unit has been cut off.	Connection line with the X-ray unit has been cut off.	Confirm the connected device.	
11024		[MD11024] Connection to X-ray unit has been disconnected.	Connection to X-ray unit has been disconnected.	Check the X-ray unit status.	
11030		[MD11030] The specified duration in which High Sensitivity Exposure can be performed has elapsed.	The image could not be acquired.	Check that the exposure in high-sensitivity mode has not exceeded the specified possible implementation time. Check that X-ray has been detected.	
11100		[TS11100] Failed in integrating image display.	Failed in integrating image display.	Check the status of PPU and the connection with PPU.	
11100 to 11104	ClsAdv_Tomo	1%	An error occurred in TomoImgDispOperationCtrl.dll. An error occurred in the processing of displaying images.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	1%: The spot of the error and its cause
11103	CslAdv_Re	Failed in Initialize Fris Client	Unable to connect to the FRIS system.	Check that the FRIS client has been set up.	
11104	CslAdv_Re	Failed in sending report to FRIS Client.	<ul style="list-style-type: none"> Unable to connect to the FRIS system. A report data is invalid. 	Check the following configuration items related to FRIS connection. <ul style="list-style-type: none"> Item 44 "Use Series Identification From F-RIS" of "1. IMAGE MODALITY" 	
11108	CslAdv_Re	Failed in switching current user	An error occurred in switching the current user in the FRIS window.	Restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
11210	CslAdv_Re	Failed in initializing the Synapse RIS screen.	Failed in initializing the RisConFig xml file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11211	CslAdv_Re	Failed in reading information is outputted from RIS	Failed in reading the result data from RIS.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11214	CslAdv_Re	Failed in accessing the image database	Unable to connect to DR-ID 800CL database.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
11215	CslAdv_Re	Failed in switching current user	An error occurred in switching the current user.	Restart DR-ID 800CL.	
11254	CslAdv_Study	Failed change patient information	Notify change patient information.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11304	CslAdv_Re	Failed in request start study to SA:STUDY	<ul style="list-style-type: none"> • An error occurred when sending messages. • A time out error occurred in sending messages. 	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11312	CslAdv_Re	Failed in switch current user	An error occurred in switching the current user.	Restart DR-ID 800CL.	
11400		[TS11400] Failed in obtaining information from the DDO file.	Failed in obtaining information from the DDO file.	Check the DDO file and execute the processing again.	
11401		[TS11401] Patient information is invalid.	Patient information is invalid.	Check the status of PPU and the connection with PPU, and restart the system.	
11403	CslAdv_Re	Failed in accessing the DDO file.	An error occurred when accessing the DDO file of the study acquiring the information for saving QC images.	Restart DR-ID 800CL.	
11404	CslAdv_Re	Failed in creating a new folder.	An error occurred when creating the folder to save QC images.	Restart DR-ID 800CL. Recheck the setting for the QC data storage destination.	
11405	CslAdv_Re	No authority to access the folder.	No authority to save QC images to a device (USB, DVD, CD, shared network).	Restart DR-ID 800CL. Recheck the setting for the QC data storage destination.	
11406	CslAdv_Re	File not found.	An error occurred when accessing the file.	Restart DR-ID 800CL.	
11407	CslAdv_Re	Failed in copying a file.	An error occurred when copying a file from the saving source folder to the saving destination folder.	Restart DR-ID 800CL.	
11408	CslAdv_Re	Failed in deleting a file.	An error occurred when accessing the file to be deleted.	Restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
11410	CslAdv_Re	Failed in logging in to the host.	An error occurred when logging in to the shared host.	Restart DR-ID 800CL.	
11411	CslAdv_Re	The result returned from the host was not received.	An error occurred when confirming the connection.	Restart DR-ID 800CL.	
11412	CslAdv_Re	Can not register patient data	Failed to register patient data in local DB.	Restart DR-ID 800CL.	
11451	CslAdv_QA	QAMaskCtrl.dll MaskView (btnApplyClearPreview_Click) - exception content>	Error when click apply button.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
11512	CslAdv_Study	Cacel align mammo image or update display menu error	It fails when cancel align mammo image or when display overlay.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11520	CslAdv_Study	Failed in get menu information	It fails when get information about irradiation area, size, position, direction, irradiation link in form.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11520	CslAdv_Study	Show form error	It fails when show form.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11521	CslAdv_Re	Create XML file not completed (This event is log in layer view)	Failed in sending the generated information to IDAutoConvert.	Restart DR-ID 800CL.	
11521	CslAdv_Re	Read XML result failure (This event is log in layer view)	Failed in sending the generated information to IDAutoConvert.	Restart DR-ID 800CL.	
11521	CslAdv_Study	Display web page error	Display web page fail.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11522	CslAdv_Study	Get current select menu info error	It fails when get current select menu information fail.	Restart DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
11523	CslAdv_Study	Failed auto scroll	It fails when auto scroll.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11525	CslAdv_Study	Failed start next study	It fails when Generate Data Key For Next Study.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11526	CslAdv_Study	dxPicDeliveryStatus_MouseDown error	An error occurred when clicking the distribution status.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11527	CslAdv_Study	dxPicDeliveryStatus_MouseMove error	An error occurred when moving the cursor on the distribution status.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
11528	CslAdv_Study	dxPicDeliveryStatus_MouseUp error	Failed in displaying the distribution status.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11529	CslAdv_Study	ReceiveDeliveryResultProc error	Failed in receiving the acquisition request.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11530	CslAdv_Study	cbDeliveryStop_Click error	Failed in stopping distribution.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11531	CslAdv_Study	cbDeliverySeparate_Click error	Failed in distribution separation.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11532	CslAdv_Study	DeleteUserOperationEx error	Failed in deleting the user study operation table.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11533	CslAdv_Study	BuildSANYOConfigElement error	Failed in building the SANYO configuration element.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11534	CslAdv_Study	BuildManualElement error	Failed in building the manual configuration element.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11535	CslAdv_Study	Ris_OnReceiveOrder error	Failed in receiving the order information from RIS.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11540	CslAdv_Study	ManualAdjustMammo error	Failed in manual adjustment of the mammo image.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11541	CslAdv_Study	Error when click button QAShortcut	An error occurred when clicking the QA shortcut button.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11542	CslAdv_Study	ChangePatInforForFris	Failed in changing the patient information of RIS order.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11604	CslAdv_QA	QACommon.dll AdjustImgCtrl - (ReleaseAdjustment) - <expcetion content>	Set Overlay Data fail.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
11605	CslAdv_Re	Save MassOrder Settings failed	Failed in saving the MassOrderDB.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11613	CslAdv_Re	Could not get file information by procUID	An error occurred while retrieving the study comment information from DDO.	Restart DR-ID 800CL.	
11617	CslAdv_Re	Access MenuData.mdb failed	An error occurred while mapping the study data at the startup of DR-ID 800CL.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
11621	CslAdv_Re	Delete history failed	An error occurred while deleting the IDHistoryDB table at the startup of DR-ID 800CL.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11701	CslAdv_Re	Reserve study failure	Failed in reserving studies.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
11729	CslAdv_QA	IIPQACtrl.dll/ QAScreen/ patientInfoChgLimit_ OnOk_Click	Failed in user group information changing process.	Check the selected user ID and perform a process again.	
11850	CslAdv_Re	Failed in accessing into the console db	A siteCode mapping error occurred while starting a study or starting a next study.	Check the mapping tag of siteCode again.	
11855	CslAdv_Re	Reading of patient ID auto-issuance setting file for screen failed.	<ul style="list-style-type: none"> Failed in acquiring of the setting of the IssuanceIdMassOrder.dat. Failed in checking the appropriateness of IssuanceIdMassOrder.dat. 	Check the format of IssuanceIdMassOrder.dat.	
11856	CslAdv_Re	The format of the patientID auto-issuance setting file for screening is incorrect	Setting of the AUTOINC tag of IssuanceIdMassOrder.dat is inappropriate.	Check the format of IssuanceIdMassOrder.dat.	
12000	CslAdv_Mdlf	Module=%1, Class=%2, Method=%3, %4	Defective program (error).	Restart. If the same phenomenon recurred, reinstall the system.	%1: File name %2: Class name %3: Method name %4: Detail message
12000		[TS12000] An error occurred while loading the DDO file.	An error occurred while loading the DDO file.	Check the DDO file, and execute the processing again.	
12000 to 12012	ClsAdv_Tomo	1%	An error occurred in TomoDataMgrCtrl.dll. An error occurred in the image DataEntity control function.	Restart DR-ID 800CL.	1%: The spot of the error and its cause
12001		[MI12001] Failed in initialization of dose area product meter.	Failed in initialization of dose area product meter.	Check the dose area product meter.	
12001		[TS12001] An error occurred while displaying images.	An error occurred while displaying images.	Check the status of PPU and the connection with PPU.	
12003		[MI12003] No response comes from the device that shares ID information.	No response comes from the device that shares ID information.	Confirm the connected device.	
12004		[MI12004] A Study can't register because the exposure menu registered in IDT isn't registered in IIP.	A Study can't register because the exposure menu registered in IDT isn't registered in IIP.	Confirm the connected device.	
12005		[MI12005] Failed in communication with the connected device.	Failed in communication with the connected device.	Confirm the connected device.	

Event	Event Source	Description	Causes	Remedies	Remarks
12006		[MI12006] Failed in setting exposure conditions.	Failed in setting exposure conditions.	Confirm the connected device.	
12007		[MI12007] Failed in setting exposure conditions.	Failed in setting exposure conditions.	Confirm the connected device.	
12012		[MI12012] The command requested to the Image Reader was not executed.	The command requested to the Image Reader was not executed.	Check the Image Reader status.	
12013		[MI12013] Failed in obtaining information from the Image Reader.	Failed in obtaining information from the Image Reader.	Check the Image Reader status.	
12014		[MI12014] Failed in obtaining information from the Image Reader.	Failed in obtaining information from the Image Reader.	Check the Image Reader status.	
12015		[MI12015] Failed in obtaining information from the Image Reader.	Failed in obtaining information from the Image Reader.	Check the Image Reader status.	
12016		[MI12016] Failed in controlling the Image Reader conditions.	Failed in controlling the Image Reader conditions.	Check the Image Reader status.	
12017		[MI12017] The connected Image Reader (%s) went into suspend mode because it had not been used for a certain period.	The connected Image Reader (%s) went into suspend mode because it had not been used for a certain period.	When you are using the Image Reader, turn the power ON again.	
12018		[MI12018] Power to the connected Image Reader (%s) has been turned OFF.	Power to the connected Image Reader (%s) has been turned OFF.	When you are re-using the Image Reader, turn the power ON again.	
12020		[MI12020] The line to the device (%s) has been disconnected.	The line to the device (%s) has been disconnected.	Confirm the connected device.	
12021		[MI12001] Failed in initialization of dose area product meter.	Failed in initialization of dose area product meter.	Confirm the connected device.	
12022	CslAdv_QA	QACommunication Handler.dll SynchronizeStudyInfo - <exception content>	Failed in synchronizing the TomoView and study status.	Restart DR-ID 800CL.	
12025	CslAdv_QA	QACommunication Handler.dll SynchronizeStudy Operation - <exception content>	Failed in synchronizing the TomoView and study status.	Restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
12027	CslAdv_QA	QACommunicationHandler.dll CommunnicationHandler (SendMsgRefreshIRS Contents) - <exception content>	Failed in sending /irs/contents/refresh.	Restart DR-ID 800CL.	
12229	CslAdv_QA	QACombineImageCtrl.dll/ ImgViewCtrl/ CrtLutFile.	Failed in setup process of LUT files.	Check the LUT files and perform a process again. If the LUT file does not exist in "C:\Program Files\FujiFilm\IIP\CrtLut\" folder, reinstall again.	
12248	CslAdv_QA	QACombineImageCtrl.dll CombineImageCtrl - (ShowFPDWithAdjust Density) - <exception content>	ShowFPD With Adjust Density is failed.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
12249	CslAdv_QA	QACombineImageCtrl.dll CombineImageCtrl - (BackupForAdjustSValue) - <exception content>	BackupData For Adjust S Value is failed.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
12261	CslAdv_QA	IIPQACtrl.dll/ 1%	Failed in acquiring the Config file information.	Check the following Config file and perform a process again. "C:\Program Files\FujiFilm\IIP\Config\1%"	
12468	CslAdv_QA	QAOrderInfoChgCtrl.dll StudyImageCommentView StudyImageCommentView - <exception content>	Failed in displaying images.	Check the DDO files and perform a process again.	
12477	CslAdv_QA	QAOrderInfoChgCtrl.dll StudyImageCommentView StudyImageCommentView - <exception content>	Failed in displaying images.	Check the DDO files and perform a process again.	
12498	CslAdv_QA	QAOrderInfoChgCtrl.dll StudyImageCommentView StudyImageCommentView - <exception content>	Failed in displaying images.	Check the DDO files and perform a process again.	
12500		[TS12500] An error occurs during image processing.	An error occurs during image processing.	Check the status of PPU and the connection with PPU.	
12600		[TS12600] An error occurred while displaying images.	An error occurred while displaying images.	Check the status of PPU and the connection with PPU.	
12601	ClsAdv_Tomo	1%	An error occurred while displaying job setting dialog.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	1%: The spot of the error and its cause
12601	ClsAdv_Tomo	1%	An error occurred in TomoJobMgntCtrl.dll. An error occurred in the managing processing of reconstruction queue.	Restart DR-ID 800CL.	1%: The spot of the error and its cause

Event	Event Source	Description	Causes	Remedies	Remarks
12602	CslAdv_QA	IIPQACtrl.dll/ 1%	Failed in acquiring the Config file information.	Check the following Config file and perform a process again. "C:\Program Files\FujiFilm\IIP\Config\1%"	
12602	ClsAdv_Tomo	1%	An error occurred while changing the display layout.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	1%: The spot of the error and its cause
12603	ClsAdv_Tomo	1%	An error occurred while changing the display layout.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	1%: The spot of the error and its cause
12603	ClsAdv_Tomo	1%	An error occurred in TomoJobMgntCtrl.dll. An error occurred in the managing processing of reconstruction queue.	Restart DR-ID 800CL.	1%: The spot of the error and its cause
12604	ClsAdv_Tomo	1%	An error occurred in TomoRecCondResOutputCtrl.dll. An error occurred when modifying the reconstruction conditions.	Restart DR-ID 800CL.	1%: The spot of the error and its cause
12605	CslAdv_QA	QARrejectLogStorage.dll/ RejectLogStorageCtrl/ GetLogFolderPath - <exception content>	Failed in saving the log files.	Check the path of destination for log file saving, and then execute the process again.	
12605		[TS12605] Failed in copying the DDO file.	Failed in copying the DDO file.	Click [OK].	
12608 to 12624	CslAdv_QA	QARrejectLogStorage.dll/ RejectLogStorageCtrl/ ImageStorage - <exception content>	Failed in saving the JPEG files.	Check the path of the image files and perform a process again.	
12611	CslAdv_QA	QARrejectLogStorage.dll/ RejectLogStorageCtrl/ GetLogFolderPath - <exception content>	Failed in saving the log files.	Check the path of destination for log file saving, and then execute the process again.	
12611		[TS12611] Failed in reconstruction processing.	Failed in reconstruction processing.	Check the status of PPU and the connection with PPU.	
12613	CslAdv_QA	QARrejectLogStorage.dll/ RejectLogStorageCtrl/ GetLogFolderPath - <exception content>	Failed in saving the log files.	Check the path of destination for log file saving, and then execute the process again.	
12613 to 12646	ClsAdv_Tomo	1%	An error occurred in TomoJobMgntCtrl.dll. An error occurred in the managing processing of reconstruction queue.	Restart DR-ID 800CL.	1%: The spot of the error and its cause
12615		[TS12615] Unable to execute the reconstruction processing because the reconstruction condition is invalid.	Unable to execute the reconstruction processing because the reconstruction condition is invalid.	Check the reconstruction conditions and execute the reconstruction processing again.	

Event	Event Source	Description	Causes	Remedies	Remarks
12616	ClsAdv_Tomo	1%	An error occurred in TomoRecCondResOutputCtrl.dll. An error occurred when displaying output range.	Restart DR-ID 800CL.	1%: The spot of the error and its cause
12617	ClsAdv_Tomo	1%	An error occurred in TomoRecCondResOutputCtrl.dll. An error occurred when modifying the reconstruction conditions.	Restart DR-ID 800CL.	1%: The spot of the error and its cause
12618	CslAdv_QA	QAOrderInfoChgCtrl.dll StudyImageCommentView StudyImageCommentView - <exception content>	Failed in displaying images.	Check the DDO files and perform a process again.	
12618	ClsAdv_Tomo	1%	An error occurred in TomoRecCondResOutputCtrl.dll. An error occurred when displaying output range.	Restart DR-ID 800CL.	1%: The spot of the error and its cause
12619	CslAdv_QA	QARejectLogStorage.dll/ RejectLogStorageCtrl/ GetLogFolderPath - <exception content>	Failed in saving the log files.	Check the path of destination for log file saving, and then execute the process again.	
12620		[TS12620] A connection error occurred with PPU.	A connection error occurred with PPU.	Click [Yes].	
12621		[TS12621] Reconstruction processing cannot be executed because unnecessary past data exists.	Reconstruction processing cannot be executed because unnecessary past data exists.	Restart the system.	
12622		[TS12622] Reconstruction processing cannot be executed again.	Reconstruction processing cannot be executed again.	Check the status of PPU and the connection with PPU. Check the reconstruction conditions and execute the reconstruction processing again.	
12623		[TS12623] Reconstruction processing could not be executed.	Reconstruction processing could not be executed.	Check the status of PPU and the connection with PPU.	
12624	ClsAdv_Tomo	* String of the exception occurred is output.	An error occurred while re-drawing the icon of the exposed image retrieving status.	If the list of reconstruction jobs is not displayed properly after a while, restart DR-ID 800CL.	
12624		[TS12624] Reconstruction processing could not be executed because the number of exposure images could not be obtained.	Reconstruction processing could not be executed because the number of exposure images could not be obtained.	Check the status of PPU and the connection with PPU.	

Event	Event Source	Description	Causes	Remedies	Remarks
12626	CslAdv_QA	QARejectLogStorage.dll/ RejectLogStorageCtrl/ GetLogFolderPath - <exception content>	Failed in saving the log files.	Check the path of destination for log file saving, and then execute the process again.	
12627	CslAdv_QA	QARejectLogStorage.dll/ RejectLogStorageCtrl/ GetLogFolderPath - <exception content>	Failed in saving the log files.	Check the path of destination for log file saving, and then execute the process again.	
12628	CslAdv_QA	QARejectLogStorage.dll/ RejectLogStorageCtrl/ GetLogFolderPath - <exception content>	Failed in saving the log files.	Check the path of destination for log file saving, and then execute the process again.	
12700		[TS12700] An error occurred while recovering job synchronization.	An error occurred while recovering job synchronization.	Check the status of PPU and the connection with PPU.	
12801 to 12804	ClsAdv_Tomo		An error occurred in TomoPPUCommCtrl.dll. An error occurred in the PPU connection.	Check the connection to PPU server. If the same phenomenon recurred, restart DR-ID 800CL.	
12805 to 12815	ClsAdv_Tomo		An error occurred in TomoPPUCommCtrl.dll. An error occurred in the PPU connection.	Check the connection to PPU server. Restart PPU server.	
12816	ClsAdv_Tomo		An error occurred in TomoPPUCommCtrl.dll. An error occurred in the PPU connection.	Check the connection to PPU server. If the same phenomenon recurred, restart DR-ID 800CL.	
12817	ClsAdv_Tomo		An error occurred in TomoPPUCommCtrl.dll. An error occurred in the PPU connection.	Check the connection to PPU server. If the same phenomenon recurred, restart DR-ID 800CL.	
12817	ClsAdv_Tomo	Error occurs during updating _reconstruction_processing field in _image_tbl	An error occurred while updating the reconstructin status of images.	Restart DR-ID 800CL.	
12819	ClsAdv_Tomo	* String of the exception occurred is output.	An error occurred while generating data for displaying the reconstruction jobs sent from PPU.	Restart DR-ID 800CL.	
12820	ClsAdv_Tomo	* String of the exception occurred is output.	An error occurred while generating data for displaying the reconstruction jobs sent from PPU.	Restart DR-ID 800CL.	
12821	ClsAdv_Tomo	Set ReconstructionStatus fail	An error occurred in the initialization processing of the re-reconstruction of the retrieved jobs.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
12900		[TS12900] Failed in saving the image information.	Failed in saving the image information.	Check the status of PPU and the connection with PPU.	
12901		[TS12901] An error occurred while displaying images.	An error occurred while displaying images.	Check the status of PPU and the connection with PPU.	

Event	Event Source	Description	Causes	Remedies	Remarks
12902		[TS12902] An error occurred while copying images.	An error occurred while copying images.	Check the status of PPU and the connection with PPU.	
12903		[TS12903] Failed in saving information by synchronization processing.	Failed in saving information by synchronization processing.	Check the status of PPU and the connection with PPU, and save the information again.	
13001	LngDBC	Database Access Failure. %nFunction:%1 Command:%2%nErrNo:%3 NativeErrNo:%4 SQLState:%5%n Source:%6%n Description:%7	An error occurred in ADO.	Restart. If the same phenomenon recurred, restart the PC. If the phenomenon still recurred, reinstall it.	%1: Function name. %2: The specified field name error occurred or the character string in SQL. %3: The ADO number (error number) properties. %4: The ADO NativeError (unique error code of the provider) properties. %5: The ADO SQLState (SQL status) properties. %6: The Source of ADO (object name) properties. %7: The description of ADO (object description) properties.
13001	FFIdAutoConvert	* A method name and a failed process name are output depending on the error spot.	The information is output when restoring the DDO file.	-	* This part is appropriated from V4.0.
13002	LngDBC	Database Access Failure. InstanceName [LngDBC]%nNo Error Item%nFunction:%1 Command:%2	Failed in accessing the database.	Restart. If the same phenomenon recurred, restart the PC. If the phenomenon still recurred, reinstall it.	%1: Function name. %2: The specified field name error occurred or the character string in SQL.
13005	FFQRP	ImageNumber = {0} => invalid	The DDO file does not exist or is damaged.	Retrieve the image again.	
13005	FFQRP	Index of source item is invalid. value = {0}	The DDO file does not exist or is damaged.	Retrieve the image again.	
13005	FFQRP	Index of destination item is invalid. value = {0}	The DDO file does not exist or is damaged.	Retrieve the image again.	

Event	Event Source	Description	Causes	Remedies	Remarks
13005	FFQRP	Number of items in IstImageOrder not equal in IstImageInfoForMultiViewer. IstImageOrder.Count = {0}, IstImageInfoForMultiViewer.Count = {1}	The DDO file does not exist or is damaged.	Retrieve the image again.	
13005	FFQRP	Can't read DDO file {0} to get ImageOrder	The DDO file does not exist or is damaged.	Retrieve the image again.	
13010	CslAdv_Study	It failed that [%1] initializes [%2]	Defective program.	Restart. If the same phenomenon recurred, reinstall the system.	
13015	CslAdv_Study	[%1] failed in setting DICOM data [%2]	Defective program.	Restart. If the same phenomenon recurred, reinstall the system.	
13016	CslAdv_Study	[%1] failed in the acquisition of DICOM data [%2]	Defective program.	Restart. If the same phenomenon recurred, reinstall the system.	
13044	CslAdv_Study	[%s] %s (%s) : Failed ImageDB Open Recordset	Failed in accessing the image database.	Check that the SQL service manager is activating properly. If the same phenomenon recurred even when the system is activated properly, initialize the image database.(All the image data will be deleted)	
13045	CslAdv_Study	[%s] %s (%s) : Failed ImageDB Close Recordset	Failed in accessing the image database.	Check that the SQL service manager is activating properly. If the same phenomenon recurred even when the system is activated properly, initialize the image database.(All the image data will be deleted)	
13046	CslAdv_Study	[%s] %s (%s) : ImageDB Data Get Error	Failed in accessing the image database.	Check that the SQL service manager is activating properly. If the same phenomenon recurred even when the system is activated properly, initialize the image database.(All the image data will be deleted)	
13047	CslAdv_Study	[%s] %s (%s) : ImageDB Data Set Error	Failed in accessing the image database.	Check that the SQL service manager is activating properly. If the same phenomenon recurred even when the system is activated properly, initialize the image database.(All the image data will be deleted)	
13048	CslAdv_Study	[%s] %s (%s) : ImageDB Data Delete Error	Failed in accessing the image database.	Check that the SQL service manager is activating properly. If the same phenomenon recurred even when the system is activated properly, initialize the image database.(All the image data will be deleted)	

Event	Event Source	Description	Causes	Remedies	Remarks
13049	CslAdv_Study	[%s] %s (%s) : Failed ImageDBFlag Connection	Failed in accessing the image database.	Check that the SQL service manager is activating properly. If the same phenomenon recurred even when the system is activated properly, initialize the image database.(All the image data will be deleted)	
13051	CslAdv_Study	[%s] %s (%s) : ImageDBFlag Data Set Error	Failed in accessing the image database.	Check that the SQL service manager is activating properly. If the same phenomenon recurred even when the system is activated properly, initialize the image database.(All the image data will be deleted)	
13052	CslAdv_Study	[%s] %s (%s) : Failed MenuDB Initialize	Failed in initializing the menu database access.	Restart. If the same phenomenon recurred, reinstall the system.	
13053	CslAdv_Study	[%s] %s (%s) : Menu Data in ImageDB Get Error	Failed in acquiring the menu information from the menu database.	Restart. If the same phenomenon recurred, reinstall the system.	
13054	CslAdv_Study	[%s] %s (%s) : Menu Parameter Data in ImageDB Get Error	Failed in acquiring the menu parameter information from the menu database.	Restart. If the same phenomenon recurred, reinstall the system.	
13055	CslAdv_Study	[%s] %s (%s) : Failed MenuDB Termination	Failed in disconnecting the menu database access.	Restart. If the same phenomenon recurred, reinstall the system.	
13059	CslAdv_Study	[%s] %s (%s) : Failed Create New DICOM Data	Failed in creating new DICOM data.	Restart. If the same phenomenon recurred, initialize the image database.	
13060	CslAdv_Study	[%s] %s (%s) : DICOM Data Get Error	Failed in acquiring DICOM data.	Restart. If the same phenomenon recurred, initialize the image database.	
13061	CslAdv_Study	[%s] %s (%s) : DICOM Data Set Error	Failed in setting up DICOM data.	Restart. If the same phenomenon recurred, initialize the image database.	
13062	CslAdv_Study	[%s] %s (%s) : DICOM Data Delete Error	Failed in deleting DICOM data.	Restart. If the same phenomenon recurred, initialize the image database.	
13063	CslAdv_Study	[%s] %s (%s) : DICOM Data Load Error	Failed in loading DICOM data.	Restart. If the same phenomenon recurred, initialize the image database.	
13064	CslAdv_Study	[%s] %s (%s) : DICOM Data Save Error	Failed in saving DICOM data.	Restart. If the same phenomenon recurred, initialize the image database.	
13065	CslAdv_Study	[%s] %s (%s) : DICOM Data Free Error	Failed in freeing DICOM data.	Restart. If the same phenomenon recurred, initialize the image database.	
13066	CslAdv_Study	%1 (%2) : Dicom Data Duplicate Error[%3]	Failed in copying DICOM data.	Restart. If the same phenomenon recurred, initialize the image database.	
13067	CslAdv_Study	%1 (%2) : Dicom Data Push Error	Failed in inserting DICOM data.	Restart. If the same phenomenon recurred, initialize the image database.	
13068	CslAdv_Study	%1 (%2) : Dicom Replace Data Error	Failed in switching DICOM data.	Restart. If the same phenomenon recurred, initialize the image database.	

Event	Event Source	Description	Causes	Remedies	Remarks
13080	CslAdv_Study	[%s] %s (%s) : ImageDBFlag Data Get Error	The image database was damaged.	Check that the SQL service manager is activating properly. If the same phenomenon recurred even when the system is activated properly, initialize the image database.(All the image data will be deleted)	
13088	CslAdv_Study	[%s] %s (%s) : Image Processing Trouble <InImg>	The system was unstable.	Restart. If the same phenomenon recurred, reinstall the system.	
13093	CslAdv_Study	[%s] %s (%s) : Priority Change Method Error <IdExposureList>	Defective program.	Restart. If the same phenomenon recurred, reinstall the system.	
13098	LngDBC	A WIN32 system library error occurred. [%1]%n%2	An error occurred in WINAPI.	As an internal error occurred, restart DR-ID 800CL. If the error occurred again, restart the PC. If the error could not be recovered, reinstall the application.	%1: The process ID and thread ID. %2: The error message including the error code.
13099	LngDBC	An unknown error occurred. [%1]%n%2	Unknown error.	As an internal error occurred, restart DR-ID 800CL. If the error occurred again, restart the PC. If the error could not be recovered, reinstall the application.	%1: The process ID and thread ID. %2: The error message including the error code.
13101 to 13115	ClsAdv_Tomo	1%	An error occurred in TomoDBAccessor.dll. An database access error has occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	1%: The spot of the error and its cause
13115	FFQRP	File {0} does not exist	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13115	FFQRP	Can't load data from {0}	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13115	FFQRP	Load data from xml file is fail	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13115	FFQRP	Item need to get is in wrong format	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13115	FFQRP	Can not connect to system database	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13115	FFQRP	Can not get data in Dictionary.ini.	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13115	FFQRP	Passed value is null or empty	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13115	FFQRP	DateTime input is invalid	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13115	FFQRP	Can not get config element from the xml File	The config file does not exist or is damaged.	Reinstall Network Image Search function.	

Event	Event Source	Description	Causes	Remedies	Remarks
13115	FFQRP	Can't get configuration value at key '{0}'	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13115	FFQRP	Can't PN convert patient name	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13117	CslAdv_Study	[%s] %s (%s) : Image UID Issue Error	Defective program.	Restart. If the same phenomenon recurred, reinstall the system.	
13118	CslAdv_Study	[%s] %s (%s) : Series Instance UID Issue Error	Defective program.	Restart. If the same phenomenon recurred, reinstall the system.	
13119	CslAdv_Study	[%s] %s (%s) : Failed in Auto Distribution	Defective program.	Restart. If the same phenomenon recurred, reinstall the system.	
13201	ClsAdv_Tomo	+ Error occurs during calling ACCModImgProcCtrl.ACCModImgProcGetter method	An error occurred when acquiring xml parameters.	Confirm DDO files and image files.	
13202	ClsAdv_Tomo	+ Error occurs during calling FCDModImageProc.FCDModImgProc method	An error occurred when calling out BC:FCDModImgProc and perform FCR image processing.	Confirm DDO files and image files.	
13202	ClsAdv_Tomo	+ Error occurs during calling FCDApplmgPreProc.FCDApplmgPreProcGammaTbl method	An error occurred when calling out BC:FCDApplmgPreProcGammaTbl and create GammaLUT.	Perform the operation again. If the operation cannot be performed, restart DR-ID 800CL.	
13203	ClsAdv_Tomo	+ COMException	An error occurred at FCR image processing.	Perform the operation again. If the operation cannot be performed, restart DR-ID 800CL.	
13205	FFQRP	Can not load ddo file path	The DDO file does not exist.	Retrieve the study again.	
13205	FFQRP	There is not enough HDD memory to retrieve {0} images	Not enough memory in harddisk.	Delete unnecessary studies from the DR-ID 800CL.	
13205	FFQRP	Process not success	Failed in sending the process message.	Restart DR-ID 800CL.	
13205	FFQRP	Communication: Request queue fail	Failed in requesting a queue.	Restart DR-ID 800CL.	
13205	FFQRP	Communication: Inform status fail	Failed in notifying the status.	Restart DR-ID 800CL.	
13205	FFQRP	Fail to save xml file that notify to Recept.	Failed in saving the xml files.	Restart DR-ID 800CL.	
13205	FFQRP	Get path from directoryDef.xml failed.	Failed in acquiring the path from directoryDef.xml.	Restart DR-ID 800CL.	
13205	FFQRP	Fail to get image processor type.	Failed in acquiring the image processor type.	Restart DR-ID 800CL.	
13205	FFQRP	Can not load temp study	Can not read the study temporarily.	Restart DR-ID 800CL.	
13205	FFQRP	Patient ID and Name are null	Patient ID and name are invalid.	Restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
13206	ClsAdv_Tomo	+ Error occurs during calling ACCApplmgPre ProcCtrl.ACCApplmg PreProcGammaTblGetter method	An error occurred when acquiring xml parameters corresponding to the processing of GammaLUT creation.	Confirm DDO files.	
13208	ClsAdv_Tomo	+ COMException	An error occurred when performing image processing and creating GammaLUT.	Perform the operation again. If the operation cannot be performed, restart DR-ID 800CL.	
13209	ClsAdv_Tomo	+ Error occurs during getting Image BufferSize	An error occurred when acquiring ImageBufferSize.	Perform the operation again. If the operation cannot be performed, restart DR-ID 800CL, and perform the operation again.	
13212	ClsAdv_Tomo	Error occurs during turning off FNC flag	An error occurred when turning off xmlParam's FNC flag.	Confirm DDO files and image files.	
13213	ClsAdv_Tomo	+ ArgumentException + SecurityException + PathTooLongException + ArgumentException + IOException	An error occurred when acquiring HDD's free space.	Restart DR-ID 800CL.	
13214	ClsAdv_Tomo	+ COMException	An error occurred when changing the image version UID.	Perform the operation again. If the operation cannot be performed, restart DR-ID 800CL.	
13215	ClsAdv_Tomo	+ COMException	An error occurred when performing RemoveMaskTags.	Perform the operation again. If the operation cannot be performed, restart DR-ID 800CL.	
13305	FFQRP	Error start query.	<ul style="list-style-type: none"> • Failure in connecting to PACS server. • Incorrect SOP class settings. 	Confirm whether or not PACS server functions normally. And, confirm the connection settings at the Service Utility.	
13305	FFQRP	Error cancel query	<ul style="list-style-type: none"> • Failure in connecting to PACS server. • Incorrect SOP class settings. 	Confirm whether or not PACS server functions normally. And, confirm the connection settings at the Service Utility.	
13305	FFQRP	Error start retrieve image.	<ul style="list-style-type: none"> • Failure in connecting to PACS server. • Incorrect SOP class settings. 	Confirm whether or not PACS server functions normally. And, confirm the connection settings at the Service Utility.	
13305	FFQRP	Error cancel retrieve image.	<ul style="list-style-type: none"> • Failure in connecting to PACS server. • Incorrect SOP class settings. 	Confirm whether or not PACS server functions normally. And, confirm the connection settings at the Service Utility.	
13305	FFQRP	Error in load retrieve folder path.	<ul style="list-style-type: none"> • Failure in connecting to PACS server. • Incorrect SOP class settings. 	Confirm whether or not PACS server functions normally. And, confirm the connection settings at the Service Utility.	
13305	FFQRP	Error in retrieve image process.	<ul style="list-style-type: none"> • Failure in connecting to PACS server. • Incorrect SOP class settings. 	Confirm whether or not PACS server functions normally. And, confirm the connection settings at the Service Utility.	
13307	CslAdv_Study	[%s] %s (%s) : Control Initialize Error	Defective program.	Restart. If the same phenomenon recurred, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
13310	CslAdv_Study	[%s] %s (%s) : Unmatched Image ID	Defective program.	Restart. If the same phenomenon recurred, reinstall the system.	
13345	CslAdv_Study	%1 (%2) : Database Data Get Error%n Database [%3]%n Table [%4]%n Key [%5]	The database was damaged.	Restart. If the same phenomenon recurred, reinstall the system.	
13348	CslAdv_Study	%1 (%2) : Registry Data Get Error%n Value [%3]	The registry was damaged.	Restart. If the same phenomenon recurred, reinstall the system.	
13349	CslAdv_Study	%1 (%2) : INI File Data Get Error%n Key [%3]	The Directory.ini was damaged.	Restart. If the same phenomenon recurred, reinstall the system.	
13356	CslAdv_Study	%1 (%2) : Control Initialize Error [%3]	Defective program.	Restart. If the same phenomenon recurred, reinstall the system.	
13383	CslAdv_Study	%1 (%2) : Failed in terminating process.%n Component Name [%3]	Defective program.	Restart. If the same phenomenon recurred, reinstall the system.	
13388	CslAdv_Study	%1 (%2) : Failed in event reception.	Defective program.	Restart. If the same phenomenon recurred, reinstall the system.	
13389	CslAdv_Study	%1 (%2) : Database Connection Error%n Database [%3]%n	The database was damaged.	Restart. If the same phenomenon recurred, reinstall the system.	
13410	FFQRP	Can't Load ImageError file : {0}	The resource file does not exist or is damaged.	Reinstall Network Image Search function.	
13410	FFQRP	List printer is NULL, check setting printer	The displayed printer is invalid.	Reinstall Network Image Search function.	
13410	FFQRP	Get printer list from database fail.	Failed in reading the printer setting from db.	Reinstall Network Image Search function.	
13410	FFQRP	Delivery process fail	Failed in delivery process.	Reinstall Network Image Search function.	
13410	FFQRP	{0} not found.	Cannot find a setting.	Reinstall Network Image Search function.	
13410	FFQRP	Can not create a screen capture bitmap image	The resource file does not exist or is damaged.	Reinstall Network Image Search function.	
13425	FFQRP	SearchForm: Could not load config of user utility	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13425	FFQRP	SearchForm: Load list of PACS server failed	The connection settings of PACS server are incorrect, or the config file does not exist or is damaged.	Set the connection settings for PACS server in Service Utility and restart DR-ID 800CL. If the same error recurs after restarting, reinstall Network Image Search function.	
13435	CslAdv_Study	%1 (%2) : Failed to update implant and vmcs tag	Failed in acquiring the DICOM date.	Restart DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	

Event	Event Source	Description	Causes	Remedies	Remarks
13435	FFQRP	Could not save data to config file	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13436	CslAdv_Study	%1 (%2) : Failed to update implant tag	Failed in acquiring the DICOM date.	Restart DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
13440	FFQRP	Date value in config file is invalid	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13445	CslAdv_Study	%1 (%2) : Update implant present tag and VMCS tag failed	Failed in acquiring the DICOM date.	Restart DR-ID 800CL. If the same phenomenon recurred, initialize the image database.	
13445	FFQRP	Not found config file: QRP.config	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13445	FFQRP	UserUtility: The string with Id={0} is not found in the language file. StackTrace: {1}	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13445	FFQRP	UserUtility: The config with Key={0} in the file {1} can't be loaded. StackTrace: {2}	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13445	FFQRP	UserUtility: The config with key={0} must has value of attribure Enum. StackTrace: {1}	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13445	FFQRP	UserUtility: The config with key={0} must has value of element Value. StackTrace: {1}	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13445	FFQRP	UserUtility: The config with key={0} must has value of attribure Name. StackTrace: {1}	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13445	FFQRP	UserUtility: The config with Key={0} is not found in the config file of application. StackTrace: {1}	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13450	FFQRP	Save font information to application config file error.	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13450	FFQRP	Save note information to note config file error.	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13455	FFQRP	The config with Key=OverlayFontColor is not found in the config file of application.	The config file does not exist or is damaged.	Reinstall Network Image Search function.	

Event	Event Source	Description	Causes	Remedies	Remarks
13457	CslAdv_Study	%1 (%2) : Image Processing Information <InImg>	The image processing parameter files does not exist.	Restart. If the same phenomenon recurred, reinstall the system.	
13472	CslAdv_Study	%1 (%2) : Selected Menu is Done. XCON Result Information is annulled. [%3]	The exposure for the selected menu has been done.	Select a menu for which an exposure process has not been performed.	
13473	CslAdv_Study	%1 (%2) : Menu is not Selected. XCON Result Information is annulled. [%3]	No exposure menu has been selected.	Select a menu for which an exposure process has not been performed.	
13600	FFQRP	Can't load path for retrieved images in DirectoryDef.xml file	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13600	FFQRP	AppName key in file QRP.exe.config isn't found or value is empty	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13600	FFQRP	Get cluster value fail in cluster.ini file	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13600	FFQRP	Can not get cluster type value or output master value in cluster.ini file	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
13998	CslAdv_Study	%1 (%2) : [%3]	General-purpose information event log	Restart. If the same phenomenon recurred, reinstall the system.	
13999	CslAdv_Study	[%s] %s (%s) : <%s> Unknown Error	Defective program.	Restart. If the same phenomenon recurred, reinstall the system.	
18100	CslAdv_QA	QAMammoAlignmentCtrl.dll MammoAlignmentCtrl JudgeStatusOnOff MammoAlignment - Jugde status on/off button failed.	Failed in judgment of the state of the [ON] button and the [OFF] button.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
18101	CslAdv_QA	QAMammoAlignmentCtrl.dll MammoAlignmentCtrl GetInfoTrimmingImage - Get trimming center position and trimming size failed	Failed in acquisition of the center position of the trimming and the trimming size.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
18102	CslAdv_QA	QAMammoAlignmentCtrl.dll MammoAlignmentView ExitFunction - <exception content>	Failed in terminating QA.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
18103	CslAdv_QA	QAMammoAlignmentCtrl.dll MammoAlignmentView SetDataObj - <exception content>	Failed in setting the data object.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
18104	CslAdv_QA	QAMammoAlignmentCtrl.dll MammoAlignmentCtrl CreateTempDDOFileName - Create name of file temp ddo failed	Failed in naming the temporary DDO file.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
18107	CslAdv_QA	QAMammoAlignmentCtrl.dll MammoAlignmentCtrl ProcessMammoAlginment - Process mammo alignment failed	Failed in processing the mammo image.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
18109	CslAdv_QA	QAMammoAlignmentCtrl.dll MammoAlignmentCtrl JudgeLeftRightObj - Jugde image left right failed	Failed in judgment of the horizontal position of the object.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
18118	CslAdv_QA	QA.exe QAScreen ProcessClickMammo AlignmentButton - <exception content>	Failed in displaying the mammo image.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
18121	CslAdv_QA	QA.exe QAScreen vwMammoAlignmentCtrl_ CustomMsgBox - Show message failed	Failed in displaying the message.	Check if there is "LangMsgBox.mdb" in the "C:\Program Files\FujiFilm\IIP\GUI\String" folder, and check the authority of the "LangMsgBox.mdb" file.	
19000	ImgViewCtrl	File %1, Spot %2, Code %3.	An error which made the process to be uncontinuable has occurred.	As an internal error occurred, restart DR-ID 800CL. If the error occurred again, restart the PC. If the error could not be recovered, reinstall the application.	%1: Name of the file which output the event. %2: Indicates an unique ID for identifying the error spot. %3: Returns error type (fixed as -9999)
20000	CslAdv_Delivery	DICOM Printer Control RunProc Error (rc={0})	An error was notified to the responding status of RunProcComplete event processed in DICOMPrintSCU.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Status
20000	CslAdv_Delivery	DICOM Printer Control RunProc Method Call Error (rc={0})	An error was notified to the responding status of RunProcComplete event processed in OutImagePrc.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Status

Event	Event Source	Description	Causes	Remedies	Remarks
20000	CslAdv_Delivery	DICOM Printer Setting was not found.	Initialization function of printer setup returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	
20000	CslAdv_Delivery	DICOM Storage Commitment Setting was not found.	Initialization function of Commitment setup returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	
20000	CslAdv_Delivery	DICOM Storage Control RunProc Error (rc={0})	An error was notified to the responding status of RunProcComplete event processed in DICOMStoreSCU.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Status
20000	CslAdv_Delivery	DICOM Storage Control RunProc Method Call Error (rc={0})	RunProc function of storage output control returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
20000	CslAdv_Delivery	DICOM Storage Setting was not found.	Initialization function of storage setup returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	
20000	CslAdv_Delivery	DICOMSC Control OutputRegisterProc Method Call Error (rc={0})	Registration function of output destination returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
20000	CslAdv_Delivery	DICOMSC Control RunProc Error (rc={0})	An error was notified to the responding status of RunProcComplete event processed in DicomSCCtrl.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Status
20000	CslAdv_Delivery	DICOMSC Control RunProc Method Call Error (rc={0})	RunProc function of Commitment control returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
20000	CslAdv_Delivery	Spooler Control OutputRegisterProc Method Call Error (rc={0})	Registration function of output destination returned an error to Spooler.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
20000		[QA20000] An error occurred in displaying the patient information.	An error occurred in displaying the patient information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20000	CslAdv_Re	An error occurred in FLP processing.	The FLPFinish.xml file cannot be checked. An unknown exception occurred when FLP finished.	Restart DR-ID 800CL.	
20000	ClsAdv_Tomo	1%	An error occurred when performing data synchronization.	Restart DR-ID 800CL.	1%: The spot of the error and its cause
20000	CslAdv_Re	An error occurred in FLP processing.	<ul style="list-style-type: none"> The FLPFinish.xml file cannot be checked. An unknown exception occurred when FLP finished. 	Restart DR-ID 800CL.	
20001	CslAdv_Delivery	DICOMPrint Control GetPrC Method Call Error (rc={0})	Request function on retrieving DICOMPrintSCU status returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
20001	CslAdv_Delivery	Spooler Control DicomStateChangeProc Method Call Error (rc={0})	Modification function of DICOM printer status returned an error to Spooler.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
20001	CslAdv_SystemManager	InBcrControlStart : %1	Failed in initializing the BCR.	Connect the BCR and then restart.	%1: An error code.
20001		[DE20001] The specified device does not exist.	The specified device does not exist.	Correct the settings.	

Event	Event Source	Description	Causes	Remedies	Remarks
20001		[QA20001] Failed in obtaining information.	Failed in obtaining information.	Close the QA or go to other study.	
20001		[RE20001] A communication error with RIS occurred.	A communication error with RIS occurred.	Check the power of the device and its connection.	
20001		[SM20001] Failed in accessing the data base.	Failed in accessing the data base.	Press the lower button to continue other processes.	
20001		[ST20001] Failed in adding a menu.	Failed in adding a menu.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20001	ClsAdv_Tomo	1%	An error occurred when performing data synchronization.	Restart DR-ID 800CL.	1%: The spot of the error and its cause
20001		[QC20001] Input value is incorrect.	Input value is incorrect.	Input a correct value.	
20001		[IC20001] The study that has failed in auto-conversion of patient ID exists.	The study that has failed in auto-conversion of patient ID exists.	Check the cause of the failure. For the failed study, correct the examinee list file and redo the processing, or manually correct the study information directly in the QA.	
20001	CslAdv_Re	Send message fail.	Send message fail.	Restart DR-ID 800CL.	
20001		[DA20001] Failed in analyzing Smart-QA.	Failed in analyzing Smart-QA.	Press the button below to continue other processing.	
20001	CslAdv_Bridge	-	An error due to unknown cause has occurred at the time of reception of change request.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
20002	CslAdv_Modality	MainControl IpFpdUseCountUp	An error occurs inside the program.	Check the database of utilization number.	
20002	CslAdv_SystemManager	InMcrControlStart : %1	Failed in initializing the MCR.	Connect the MCR and then restart.	%1: An error code.
20002		[DE20002] Failed in delivery processing.	Failed in delivery processing.	Wait for a while and try again.	
20002		[QA20002] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20002		[RE20002] A timeout error occurred while in search of study information. No responses come from equipment targeted for search.	A timeout error occurred while in search of study information. No responses come from equipment targeted for search.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20002		[SM20002] It could not be defined as confirmed.	It could not be defined as confirmed.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
20002		[ST20002] This operation is not allowed.	This operation is not allowed.	Login again with an authorized username.	
20002		[QC20002] Input value is illegal.	Input value is illegal.	Input a correct value.	
20002		[DA20002] Failed in image positioning.	Failed in image positioning.	Perform manual positioning.	
20002	CslAdv_Modality	IpFpdUseCountUp GetDDOTagValue	An error occurs inside the program.	Check the database of utilization number.	
20002	CslAdv_Modality	IpFpdUseCountUp SetIpCountData	An error occurs inside the program.	Check the database of utilization number.	
20002	CslAdv_Bridge	-	Issuance could not be done since the CSL conditions at the time of change request reception were invalid.	Perform the same operation again after a specified time has passed. Restart if the same kind of phenomenon occurs again.	
20003	CslAdv_Delivery	OutputJob Image Host Error (rc={0})	Failed in acquiring images of other equipments.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Function return value
20003	CslAdv_Modality	1%	Failed in browsing the image database.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: The module and spot error occurred
20003	CslAdv_Modality	DeviceType is Error. - DeviceType = %1	An error occurred in analyzing device information.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	For device information.
20003	CslAdv_Modality	Error Notification From BC::ModalityIF in OnExposureResultCreated - status = %1	An error occurred in analyzing device information.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	For device information.
20003	CslAdv_Modality	Error Notification From BC::ModalityIF in OnExposureResultReceive - status = %1	An error occurred in analyzing device information.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	For device information.
20003	CslAdv_Modality	Error Notification From BC::ModalityIF in OnImagingCreated - status = %1	An error occurred in analyzing device information.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	For device information.
20003	CslAdv_Modality	Error Notification From BC::ModalityIF in OnImagingFinished - status = %1	An error occurred in analyzing device information.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	For device information.
20003	CslAdv_Modality	Error Notification From BC::ModalityIF in OnImagingPreviewCreated - status = %1	An error occurs inside the program.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: Internal error code.
20003	CslAdv_Modality	Error Notification From BC::ModalityIF in OnImagingProcessStart - status = %1	An error occurs inside the program.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: Internal error code.

Event	Event Source	Description	Causes	Remedies	Remarks
20003	CslAdv_Modality	Error Notification From BC::ModalityIF in OnImagingStart - status = %1	An error occurs inside the program.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: Internal error code.
20003	CslAdv_Modality	Error Notification From BC::ModalityIF in OnReqExposurePreparationCancel - status = %1	An error occurs inside the program.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: Internal error code.
20003	CslAdv_Modality	Failed to get StudyOperation - ImageStatus = %1	Menu status is invalid.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: The selector menu status.
20003	CslAdv_Modality	Failed to mixMenuStateCheck	Menu status is invalid.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
20003	CslAdv_Modality	ImageStatus != MENU_FIXED - ImageStatus = %1	The menu which cannot pressed the button halfway has been selected.	Select another menu and perform the operation.	%1 The selector menu status.
20003	CslAdv_Modality	ImageStatus != READYUP - ImageStatus = %1	The menu which cannot press the button halfway has been selected.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: The selector menu status.
20003	CslAdv_Modality	ImageStatus != READYUP or REIMAGING - ImageStatus = %1	Menu status is invalid.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: The selector menu status.
20003	CslAdv_Modality	ImageStatus != READYUP or REIMAGING - ImageStatus = %1	Menu status is invalid.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: The selector menu status.
20003	CslAdv_Modality	ImageStatus != READYUP_FREE or REIMAGING - ImageStatus = %1	Menu status is invalid.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: Internal error code.
20003	CslAdv_Modality	ImageStatus != READYUP_FREE or REIMAGING - ImageStatus = %1	Menu status is invalid.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: The selector menu status.
20003	CslAdv_Modality	ImageStatus is Error(builtin). - ImageStatus = %1	An error occurred in analyzing device information.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: The status of Console.
20003	CslAdv_Modality	ImageStatus is Error(cassette). - ImageStatus = %1	An error occurred in analyzing device information.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: The status of Console.
20003	CslAdv_Modality	MenuOperation != SELECTED_FREE - MenuOperation = %1	The menu which cannot expose has been selected.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: The status of Console.

Event	Event Source	Description	Causes	Remedies	Remarks
20003	CslAdv_Modality	MenuOperation != SELECTED_FREE - MenuOperation = %1	The menu which cannot press the button halfway has been selected.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: The selector menu status.
20003	CslAdv_Modality	RegistID and MenuUID mismatch - RegistID = %1 MenuUId = %2	An error occurs inside the program.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
20003	CslAdv_Modality	StudyOperation != PERFORMING - StudyOperation = %1	Menu status is invalid.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: The selector menu status.
20003	CslAdv_ SystemManager	Initialize Exception Dependency_OnChange Exception SetSqlDependency Exception ClickIndicator is Null Changelcon Exception	An error occurred in processing the indicator of DR-ID 800CL.	In DR-ID 800CL, the indicator can activate properly. No remedy is required.	One of these five types is set in event content.
20003		[DE20003] The hard disk is full.	The hard disk is full.	Delete unnecessary images from the list and try again.	
20003		[QA20003] Failed in saving information.	Failed in saving information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20003		[RE20003] Failed in starting the study.	Failed in starting the study.	Restart the system.	
20003		[ST20003] Body movement difficult to be observed in the displayed image has been detected. Maximum movement: %s mm	Body movement difficult to be observed in the displayed image has been detected. Maximum movement: %s mm	Enlarge the image to check the details.	Maximum amount of movement: %s mm
20003	CslAdv_Modality	Failed to get MenuOperation - ImageId = %1	Menu status is invalid.	Select the menu again. If the same phenomenon recurred, restart the Console.	%1: Menu number
20003	ClsAdv_Tomo	1%	An error occurred in the interlocking processing of image processing adjustment.	Preform the operation again. If the operation cannot be performed, restart DR-ID 800CL.	1%: The spot of the error and its cause
20003		[QC20003] Input value is illegal.	Input value is illegal.	Input a correct value.	
20003	CslAdv_Bridge	-	Authentication processing for user authentication has failed.	Check the technician code and the password of the respective user on the user management screen of the User Utility. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
20004	CslAdv_Modality	%1 %2 LngDBCEXException StatusID= %3 [ExceptionInfomation] %4	Information is notified from the reader. Failed in retrieving the translation character strings.	Restart. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: ID of connected character string and status display character string %4: Error details
20004	CslAdv_Modality	%1 %2 Not Found Record in %:3 ID= %4	The error information is received from the reader. The received information does not match with the internal information of DR-ID 800CL.	Confirm the Image Reader. Restart. If the same phenomenon recurred, reinstall the system.	
20004	CslAdv_SystemManager	Initialize.Failed Terminate.Faiild buttonDeletion_Click_Param.Failed buttonConfirmation_Click_Param.Failed PrevPageButton_Click.Failed NextPageButton_Click.Failed	An error occurred in the event window of DR-ID 800CL.	In DR-ID 800CL, the indicator can activate properly. No remedy is required.	One of these six types is set in event content.
20004		[DE20004] Failed in reading a display gradation correction file.	Failed in reading a display gradation correction file.	Check the correction file.	
20004		[QA20004] Failed in confirmation of QA.	Failed in confirmation of QA.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20004		[RE20004] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20004		[ST20004] A non-stitched long-view image exists.	A non-stitched long-view image exists.	Check the image.	
20004		[QC20004] Input value is illegal.	Input value is illegal.	Input a correct value.	
20004	CslAdv_Bridge	-	An error has occurred at the time of reception of change request (non-synchronous type).	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
20005	CslAdv_Modality	%1 %2 ConvertXMLtoProperty:%3. Invalid data %4	The invalid value is received from the reader.	Check the Image Reader status.	%1: The module error occurred %2: Spot error occurred %3: Invalid value %4: Detail of invalid value

Event	Event Source	Description	Causes	Remedies	Remarks
20005	CslAdv_Modality	%1 %2 Failed to read data from %3 [ExceptionInfomation] %4	Failed in reading the IP barcode information.	Read the IP barcode again. If the same phenomenon recurred, restart the application.	%1: The module error occurred %2: Spot error occurred %3: Error outline %4: Error details
20005		[QA20005] Failed in suspending confirmation of QA.	Failed in suspending confirmation of QA.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20005	ClsAdv_Tomo	Event argument is null	The message that system received is valid.	Restart DR-ID 800CL.	
20005		[DE20005] Failed in output process.	Failed in output process.	Confirm the device status.	
20005		[ST20005] A long-view menu having images not aligned exists.	A long-view menu having images not aligned exists.	Check the image.	
20005		[QC20005] Option key software is not installed.	Option key software is not installed.	Exit the program, and install option key software.	
20006	CslAdv_Modality	%1 %2 Failed to execute selector. Devices[%3].Modality. DisableImaging	Failed in notifying the inexposable status to Image Reader.	Check the Image Reader status.	%1: The module error occurred %2: Spot error occurred %3: Error occurred selector number
20006	CslAdv_Modality	%1 %2 Failed to execute selector. Devices[%3].Modality. EnableImaging	Failed in notifying the exposable status to Image Reader.	Check the Image Reader status.	%1: The module error occurred %2: Spot error occurred %3: Error occurred selector number
20006	CslAdv_Modality	%1 %2 Failed to selector. SendClearExposureCondition - SelectorNumber = %3	Failed in notifying the clearing exposure conditions to Image Reader.	Check the Image Reader status.	%1: The module error occurred %2: Spot error occurred %3: Error occurred selector number
20006	CslAdv_Modality	%1 %2 OnResetImageKey Recieved from ModalityIF at Error Status.%3	An error occurred in requesting to delete the IP information from the Image Reader.	Restart. If the same phenomenon recurred, reinstall the system.	%1: The module error occurred %2: Spot error occurred %3: Error details
20006	CslAdv_Modality	Failed to execute selector. Devices[%1].Modality. DisableImaging	Selector number: Failed in notifying to the device of %1.	Check the device status and connection.	%1: Selector number
20006		[QA20006] Failed in resuming the study.	Failed in resuming the study.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20006	ClsAdv_Tomo	Event argument is null	The message that system received is valid.	Restart DR-ID 800CL.	
20006		[QC20006] Image sharpness is illegal.	Image sharpness is illegal.	Arrange the phantom position and perform an exposure again.	

Event	Event Source	Description	Causes	Remedies	Remarks
20006		[ST20006] Reading of the patient ID auto-issuance setting file for screening failed.	Reading of the patient ID auto-issuance setting file for screening failed.	Confirm the setting file.	
20007		[QA20007] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20007	ClsAdv_Tomo	1%	An error occurred in the interlocking processing of image processing adjustment.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	1%: The spot of the error and its cause
20007		[QC20007] Failed to delete this folder. %s	Failed to delete this folder.	Restart DR-ID 800CL.	
20007		[TS20007] An error occurred.	An error occurred.	Check the status of PPU and the connection with PPU, and restart the system.	
20007		[ST20007] A value outside the allowable range has been set for auto-issuance ID.	A value outside the allowable range has been set for auto-issuance ID.	Restore the auto-issuance ID to the minimum value.	
20008		[QA20008] Failed in applying the changes.	Failed in applying the changes.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20008	ClsAdv_Tomo	1%	An error occurred in the interlocking processing of image processing adjustment.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	1%: The spot of the error and its cause
20008		[TS20008] Failed in switching to other QA function.	Failed in switching to other QA function.	Switch the QA function again.	
20008		[ST20008] Patient ID that will be issued is duplicated.	Patient ID that will be issued is duplicated.	Change the patient ID.	
20009	CslAdv_Delivery	Analyze XML Failure (path={0} Message={1} StackTrace={2})	An exception occurred in analyzing XML.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Path of the xml file {1}: Exception message {2}: Stack trace
20009	ClsAdv_Tomo	Failed in updating display patient information	An error occurred in TomoViewCtrl.dll. An error occurred when updating the display of patient information.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
20009	CslAdv_Delivery	Received an unexpected Message ({0}/{1}/{2})	The topic of the message notified in Ansemble message receiving process was in error.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Topic {1}: Object {2}: Event
20009		[QA20009] Failed in editing study comments.	Failed in editing study comments.	Restart the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
20009		[RE20009] Hard disk space required for free layout print is insufficient.	Hard disk space required for free layout print is insufficient.	Delete the study and try again.	
20009		[QC20009] Baseline values cannot be generated.	Baseline values cannot be generated.	Select another image, and reexecute.	
20009		[ST20009] The menu cannot be changed because an image has been input.	The menu cannot be changed because an image has been input.	Update only the patient information.	
20010	CslAdv_Delivery	{0} is a delivery attribute not supported. (Coping Combine DDOFile at LifeSize)	The unsupported distribution attribute was notified.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Distribution attribute
20010	CslAdv_Delivery	{0} is a delivery attribute not supported. (Creating delivery host information)	The unsupported distribution attribute was notified.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Distribution attribute
20010	CslAdv_Delivery	{0} is a delivery attribute not supported. (Making delivery DDO-file)	The unsupported distribution destination information was notified.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Distribution attribute
20010	CslAdv_Delivery	{0} is a modality not supported. (Registering delivery host information in file-attribute)	The unsupported abstract syntax was notified.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Abstract syntax
20010	CslAdv_Delivery	{0} is not found. (Copying combine ddo file)	The DDO file of composition original image does not exist.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: DDO file
20010	CslAdv_Delivery	{0} is not found. (Copying DDO file)	The DDO file does not exist.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: DDO file
20010	CslAdv_Delivery	{0} is not found. (Copying image data file)	The image data file does not exist.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Image data file
20010	CslAdv_Delivery	Catch some other Exception. [{0}]\r\n{1}\r\n{2}	An exception occurred in copying process.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: File name {1}: Exception message {2}: Stack trace
20010	CslAdv_Delivery	Catch some other Exception.\r\n{0}\r\n{1}	An exception has occurred.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
20010	CslAdv_Delivery	DCOMObjException : {0}\r\n{1}\r\n{2}	An exception occurred in DDOHelper.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: DDO tag {1}: Exception message {2}: Stack trace
20010	CslAdv_Delivery	DDO tag {0} DistributionDensity is null. (Creating delivery host information of file attribute)	NULL value was notified to DistributionDensity.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: DDO tag
20010	CslAdv_Delivery	DDO tag {0} DistributionProc is null. (Creating delivery host information of file attribute)	NULL value was notified to DistributionProc.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: DDO tag

Event	Event Source	Description	Causes	Remedies	Remarks
20010	CslAdv_Delivery	DDO tag {0} ID is illegal. (Data creation of delivery beginning of multi frame information processing)	NULL value or blank letter was notified to ID value.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: DDO tag
20010	CslAdv_Delivery	DDO tag {0} ID is illegal. (Data creation of delivery beginning)	NULL value or blank letter was notified to ID value.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: DDO tag
20010	CslAdv_Delivery	DDO tag {0} ID is illegal. (Is excluded auto delivery in delivering processing)	NULL value or blank letter was notified to ID value.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: DDO tag
20010	CslAdv_Delivery	DDO tag {0} ImagingSystem is illegal. (Copying WS image data file)	Failed in retrieving ImagingSystem.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: DDO tag
20010	CslAdv_Delivery	DDO tag {0} is illegal. (Copying image data file)	Failed in retrieving the image data file name.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: DDO tag
20010	CslAdv_Delivery	DDO tag {0} PrintDensity is null. (Creating delivery host information of print attribute)	NULL value or blank letter was notified to the output image density.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: DDO file
20010	CslAdv_Delivery	DDO tag {0} PrintProc is null. (Creating delivery host information of print attribute)	NULL value or blank letter was notified to the output image processing.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: DDO file
20010	CslAdv_Delivery	DDO tag {0} ProcUID is null. (Checking multi frame)	NULL value or blank letter was notified to ProcUID.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: DDO tag
20010	CslAdv_Delivery	Delivery message conversion failure. (Starting PreDelivery)\r\nMessage={0}/{1}/{2}	Failed in converting the data for Ansemble message distribution.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Topic {1}: Object {2}: Event
20010	CslAdv_Delivery	Delivery work DDO file name is null. (Copying DDO file)	Failed in generating the file name for distribution process.	Restart. If the same phenomenon recurred, reinstall the system.	
20010	CslAdv_Delivery	Delivery work image file name is null. (Copying combine ddo file)	Failed in generating the file name for distribution process.	Restart. If the same phenomenon recurred, reinstall the system.	
20010	CslAdv_Delivery	Delivery work image file name is null. (Copying image data file)	Failed in generating the file name for distribution process.	Restart. If the same phenomenon recurred, reinstall the system.	
20010	CslAdv_Delivery	FF32CSEException : \r\n{0}\r\n{1}	An exception occurred in FF32CS processing.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
20010	CslAdv_Delivery	FFNetException : \r\n{0}\r\n{1}	An exception occurred in FFNet processing.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace

Event	Event Source	Description	Causes	Remedies	Remarks
20010	CslAdv_Delivery	ImagePosition is 0. (Multi frame image delivery judgement processing)	NULL value or "0" was notified to ImagePosition.	Restart. If the same phenomenon recurred, reinstall the system.	
20010	CslAdv_Delivery	ImgDBCEXException : \r\n{0}\r\n{1}	An exception occurred in mgDBCEX processing.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
20010	CslAdv_Delivery	IOException : [{0}]\r\n{1}\r\n{2}	An exception occurred during the file copy.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: File name {1}: Exception message {2}: Stack trace
20010	CslAdv_Delivery	new delivery host informaiton if null. (Creating useurgent delivery host information)	Failed in creating the distribution destination information.	Restart. If the same phenomenon recurred, reinstall the system.	
20010	CslAdv_Delivery	new delivery host informaiton if null. (Registering delivery host information in file-attribute)	Failed in creating the distribution destination information.	Restart. If the same phenomenon recurred, reinstall the system.	
20010	CslAdv_Delivery	Not a delivery message. (Starting PreDelivery)	Trigger type to be distributed was in error.	Restart. If the same phenomenon recurred, reinstall the system.	
20010	CslAdv_Delivery	The acquisition information number is illegal. (Creating delivery host information of file attribute)\r\nDistributionHost = {0}\r\nDistributionDensity = {1}\r\nDistributionProc = {2}	Number of acquired information was in error.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: DistributionHost {1}: DistributionDensity {2}: DistributionProc
20010	CslAdv_Delivery	The delivery attribute is not set. (Starting delivery perparation.)	NULL value or blank letter was notified to the distribution attribute.	Restart. If the same phenomenon recurred, reinstall the system.	
20010	CslAdv_Delivery	The input file name is illegal. [{0}] (Creating delivery work file name)	NULL value or blank letter was notified to the input file name.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Input file name
20010	CslAdv_Delivery	The input parameter is illegal. (Creating new multi frame information)	Invalid value was notified to the input parameter.	Restart. If the same phenomenon recurred, reinstall the system.	
20010	CslAdv_Delivery	The input parameter is illegal. (Registering delivery host information in file-attribute)\r\nHostNmae = {0}\r\nOutputDensity = {1}\r\nOutputProc = {2}	NULL value or blank letter was notified to the parameter.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: HostName {1}: OutputDensity {2}: OutputProc
20010	CslAdv_Delivery	The input parameter is illegal. (Starting Delivery host information acquisition)	NULL value or blank letter was notified to the parameter.	Restart. If the same phenomenon recurred, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
20010	CslAdv_Delivery	The input parameter is illegal. (Starting delivery judgment)	NULL value or blank letter was notified to the parameter.	Restart. If the same phenomenon recurred, reinstall the system.	
20010	CslAdv_Delivery	The KeyType({0}) is illegal. (PreDelivery of manual delivery processing)	Notified type was in error.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Type
20010	CslAdv_Delivery	The number of multi frame information lists is 0. (Data creation of delivery beginning of multi frame information processing)	Number of registered multi-frame information was in error.	Restart. If the same phenomenon recurred, reinstall the system.	
20010	CslAdv_Delivery	The parameter of the message is illegal. (Creating SQL sentence of auto delivery reading)	Notified type was in error.	Restart. If the same phenomenon recurred, reinstall the system.	
20010	CslAdv_Delivery	The parameter of the message is illegal. auto delivery type = [{0}] (Creating SQL sentence of auto delivery)	Notified auto distribution setting type was in error.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Auto distribution setting type
20010	CslAdv_Delivery	The value of DDO tag {0} ES Output Image Group is illegal. (ES image delivery judgement processing)	NULL value or blank letter was notified to ES Output Image Group.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Tag
20010	CslAdv_Delivery	The value of DDO tag {0} ES Output Image Group is null. (WS image delivery judgement processing)	NULL value or blank letter was notified to ES Output Image Group.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Tag
20010	CslAdv_Delivery	The value of DDO tag {0} film output format is illegal. (ES image delivery judgement processing)	NULL value or blank letter was notified to the film output format.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Tag
20010	CslAdv_Delivery	The value of DDO tag {0} film output format is null. (Other image delivery judgement processing)	NULL value or blank letter was notified to the film output format.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Tag
20010	CslAdv_Delivery	The value of DDO tag {0} ImageUID is illegal. (Checking completed multi frame information)	Failed in acquiring the film UID.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Tag
20010	CslAdv_Delivery	The value of DDO tag {0} MPMCode is illegal. (ES image delivery judgement processing)	NULL value or blank letter was notified to MPM code.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Tag

Event	Event Source	Description	Causes	Remedies	Remarks
20010	CslAdv_Delivery	The value of DDO tag {0} MultiFrameUID is illegal. (Multi frame image delivery judgement processing)	Failed in acquiring the multi frame UID.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Tag
20010	CslAdv_Delivery	The value of DDO tag {0} number of sheets of image in film is illegal. (Creating new multi frame information)	NULL value or "0" was notified to the number of images in the film.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Tag
20010	CslAdv_Delivery	The value of DDO tag {0} Print Image Group is null. (WS image delivery judgement processing)	NULL value or blank letter was notified to Print Image Group.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Tag
20010	CslAdv_Delivery	The value of DDO tag {0} ProcUID is illegal. (Multi frame image delivery judgement processing)	Failed in acquiring ProcUID.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Tag
20010	CslAdv_Delivery	The value of diagnosis Es Image Type is illegal. (ES image delivery judgement processing)	NULL value or blank letter was notified to the ESImageType for diagnosis images.	Restart. If the same phenomenon recurred, reinstall the system.	
20010	FFOutImgPrc	{0} is a delivery attribute not supported. (Creating SQL sentence of auto delivery)	The unsupported distribution attribute was notified.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Distribution attribute
20010	CslAdv_Delivery	The value of DDO tag {0} MPMCode is illegal. (ES image delivery judgement processing)	NULL value or blank letter was notified to the MPM code.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Tag
20010	CslAdv_Delivery	The value of diagnosis Es Image Type is illegal. (ES image delivery judgement processing)	NULL value or blank letter was notified to the ESImageType for diagnosis images.	Restart. If the same phenomenon recurred, reinstall the system.	
20010	CslAdv_Delivery	%1 is not found. (Copying DDO file)	DDO file to be copied does not exist.	Perform delivery again. If the error is caused by the system, reinstall the system.	%1: DDO file path
20010	CslAdv_Delivery	Delivery work DDO file name is null. (Copying DDO file)	Failed in creating a temporary file name for delivery.	Perform delivery again. If the error is caused by the system, reinstall the system.	
20010	CslAdv_Delivery	IOException : [%1] %2 %3	An IOException exception occurred.	Perform delivery again. If the error is caused by the system, reinstall the system.	%1: DDO file path %2: Exception message %3: Stack trace
20010	CslAdv_Delivery	Catch some other Exception. : [%1] %2 %3	An exception occurred.	Perform delivery again. If the error is caused by the system, reinstall the system.	%1: DDO file path %2: Exception message %3: Stack trace

Event	Event Source	Description	Causes	Remedies	Remarks
20010	CslAdv_Delivery	The input file name is illegal. [%1] (Creating delivery work file name)	The temporary file name for delivery is abnormal.	Perform delivery again. If the error is caused by the system, reinstall the system.	%1: File path
20010	CslAdv_Delivery	DCOMObjException : (%1) %2 %3	An exception of DDO operation components occurred.	Perform delivery again. If the error is caused by the system, reinstall the system.	%1: DDO tag number %2: Exception message %3: Stack trace
20010	CslAdv_Delivery	ReconstDataTime or InfoFileURL is illegal. (%1)	The ReconstDataTime or InfoFileURL of tomosynthesis image is abnormal.	Perform delivery again. If the error is caused by the system, reinstall the system.	%1: Method name
20010	CslAdv_Delivery	ImgGrpDBCException : %1 %2	An exception of ImgGrpDBC components occurred.	Perform delivery again. If the error is caused by the system, reinstall the system.	%1: Exception message %2: Stack trace
20010		[ST20010] Left-right density difference by %s% has been detected in the image. If the actual SID is %s cm, that is equal to the value set to the Console, it may be oblique by %s degree.	Left-right density difference by %s% has been detected in the image.	Confirm the image.	
20010	CslAdv_Delivery	The value of DDO tag {0} Modality is illegal. (Registering delivery host information in file-attribute)	NULL value or blank letter was notified to Modality.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	{0}: Tag
20010	CslAdv_Delivery	The value of DDO tag {0} MPMCode is illegal. (Registering delivery host information in file-attribute)	NULL value or blank letter was notified to MPM Code.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	{0}: Tag
20010	CslAdv_Delivery	FFNet FFNetDBGetStorageClass Failed. (Registering delivery host information in file-attribute)	An error occurs in the function of FFNetDBGetStorageClass.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	
20010	CslAdv_Delivery	MammoMenu is a modality{0} not supported. (Registering delivery host information in file-attribute)	Modality not supported by Mammography Menu is set.	Check the setting parameter. If the error is caused by the system, reinstall the DR-ID 800CL.	{0}: Modality
20010	CslAdv_Delivery	FFNet.GetEquip2 Failed.	Acquisition of the delivery destination information by GetEquip2 of FFNet has failed.	Check the setting parameter and then restart the DR-ID 800CL. If the same phenomenon recurred, reinstall the system.	
20010	CslAdv_Delivery	FFNet.GetDevice2 Failed.	Acquisition of the delivery destination information by GetDevice2 of FFNet has failed.	Check the setting parameter and then restart the DR-ID 800CL. If the same phenomenon recurred, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
20010	CslAdv_Delivery	PrintMessageInfoFor12on1 is illegal.(MessageInfo were registred in duplicate)	Message data registered in the message data list for 12on1 print delivery are duplicated.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
20010	CslAdv_Delivery	PrintMessageInfoFor12on1 is illegal.(progress were registred in duplicate)	Progress to be registered in the message data list for 12on1 print delivery has already been registered.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
20010	CslAdv_Delivery	CancelOfImageStatusOut Processing failed.	Cancellation of temporary control of delivery status has failed.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
20010	CslAdv_Delivery	RegistersPrintMessage InfoFor12on1() Failed.	12on1 print delivery message processing has failed.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
20010	CslAdv_Delivery	GetDeliveryHostInfoOf FisrtPrintAttribute() Failed.	Acquisition of the delivery destination information for the first printer has failed.	Check the setting parameter and then restart the DR-ID 800CL. If the same phenomenon recurred, reinstall the system.	
20010	CslAdv_Delivery	Judgment12on1Print() Failed.	12on1 print delivery start judgment has failed.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
20010	CslAdv_Delivery	DeliveryPreparationOf 12on1Print() Failed.	12on1 print delivery advance preparation has failed.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
20010	CslAdv_Delivery	CancelOfImageStatusOut Processing() Failed.	Cancellation of temporary control of delivery status has failed.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
20010		[QA20010] Failed in positioning the right and left mammography images.	Failed in positioning the right-and-left mammography images.	Adjust the trimming position manually.	
20011	CslAdv_Delivery	Delivery message conversion failure. (GetImageUIDList)\r\nMessage=/{0}/{1}/{2}	Failed in converting the data for Ansemble message distribution.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Topic {1}: Object {2}: Event
20011	CslAdv_Delivery	ImageStatusOutProcessing is illegal.imageID={0}({1})	An error of checking upper/lower limit for output processing status.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Image_UID {1}: Output processing status
20011	CslAdv_Delivery	The input parameter is illegal. (CalclmageStatus OutProcessing)	NULL value was notified to Image_UID list.	Restart. If the same phenomenon recurred, reinstall the system.	
20011	CslAdv_Delivery	The input parameter is illegal. (GetImageUIDList)	NULL value was notified to Image_UID list.	Restart. If the same phenomenon recurred, reinstall the system.	
20011	CslAdv_Delivery	The input parameter is illegal. (StatusEndImage StatusOutProcessing)	NULL value was notified to the parameter.	Restart. If the same phenomenon recurred, reinstall the system.	
20011		[QA20011] Failed in entering information.	Failed in entering information.	Enter information in the marked items correctly.	

Event	Event Source	Description	Causes	Remedies	Remarks
20011		[RE20011] Failed in starting QA of the study.	Failed in starting QA of the study.	Check the connection to the other device.	
20011	CslAdv_Delivery	ImgGrpDBCException : %1 %2	An exception of ImgGrpDBC components occurred.	Perform delivery again. If the error is caused by the system, reinstall the system.	%1: Exception message %2: Stack trace
20011	CslAdv_Delivery	Catch some other Exception. %1 %2	An exception occurred.	Perform delivery again. If the error is caused by the system, reinstall the system.	%1: Exception message %2: Stack trace
20011	ClsAdv_Tomo	1%	An error occurred while displaying job setting dialog.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	1%: The spot of the error and its cause
20011		[QC20011] Input values are incorrect.	Input values are incorrect.	Input a correct value.	
20011		[ST20011] Failed in the portable alignment detection processing.	Failed in the portable alignment detection processing.	Click the button below to restart the system.	
20012	CslAdv_Delivery	Invalid Finish Media Storage OutputId (status={0})	OutputId for media output is not registered.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: OutputId
20012	CslAdv_Delivery	Invalid Finish Media Storage Result ({0}={1})	The message status value received from Linker was in error.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: MediaStorage_ Result {1}: Result
20012	CslAdv_Delivery	Invalid Media Detail Status (ae_name={0}, media_status={1}, detail_status={2})	An error occurred in converting the error information type from the message.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: AE name {1}: Status {2}: detailStatus
20012	CslAdv_Delivery	Invalid Media Status (ae_name={0}, media_status={1})	MediaStatErr execution function of Spooler returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: AE name {1}: Status
20012	CslAdv_Delivery	Invalid Media Status Parameter (ae_name={0})	NULL value or blank letter was notified to the AE name.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: AE name
20012	FFOutImgPrc	Invalid image_id (status={0})	An error occurred in converting the image_id type of ID list which has completed the preliminary preparation.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: image_id
20012		[RE20012] The number of studies that allow the free layout print exceeds the upper limit.	The number of studies that allow the free layout print exceeds the upper limit.	Select 100 studies or less and try again.	
20012		[QC20012] Input values are incorrect.	Input values are incorrect.	Input a correct value.	
20012		[ST20012] No examinee ID that can be issued automatically exists.	No examinee ID that can be issued automatically exists.	Confirm the range of issuance numbers.	

Event	Event Source	Description	Causes	Remedies	Remarks
20012		[QA20012] Failed in cancelling the right-and-left mammography image positioning.	Failed in cancelling the right-and-left mammography image positioning.	Review the trimming position on the right-and-left images.	
20012 to 20015	ClsAdv_Tomo	1%	An error occurred when performing data synchronization.	Restart DR-ID 800CL.	1%: The spot of the error and its cause
20013		[RE20013] A study which does not allow the free layout print has been selected.	A study which does not allow the free layout print has been selected.	Select a study and try again.	
20013		[QC20013] Input values are incorrect.	Input values are incorrect.	Input a correct value.	
20014		[RE20014] Failed in shutting down the study forcibly.	Failed in shutting down the study forcibly.	Restart the system.	
20014		[QC20014] Input values are incorrect.	Input values are incorrect.	Input a correct value.	
20014	CslAdv_Delivery	Catch some other Exception. Creating a Structured Report finished in Failure. (rc=%1) %2	Failed in creating the DDO for outputting SR.	Check the setting parameter and then restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: CreateReport() return value %2: Stack trace
20014	CslAdv_Delivery	Catch some other Exception. %1 %2	An exception occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: Exception message %2: Stack trace
20015		[QC20015] Input values are incorrect.	Input values are incorrect.	Input a correct value.	
20016		[RE20016] A study which cannot be output has been selected.	A study which cannot be output has been selected.	Select a study again.	
20016		[QC20016] Input values are incorrect.	Input values are incorrect.	Input a correct value.	
20017		[RE20017] An error occurred in displaying F-RIS client.	An error occurred in displaying F-RIS client.	Contact the F-RIS maintenance staff.	
20017		[QC20017] File existed.	File existed.	Check the file name.	
20018		[RE20018] The number of studies that match the study conditions exceeds the limit value. The search will be aborted.	The number of studies that match the study conditions exceeds the limit value. The search will be aborted.	Narrow down the search conditions and try again.	

Event	Event Source	Description	Causes	Remedies	Remarks
20019		[RE20019] The specified study was not found.	The specified study was not found.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20020		[RE20020] Failed in starting the study.	Failed in starting the study.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20021		[QA20021] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20021		[RE20021] The study cannot be deleted.	The study cannot be deleted.	Unlock the study and try again.	
20023		[RE20023] Failed in auto-start of the study.	Failed in auto-start of the study.	Select a study from the study list and start the study.	
20024		[QA20024] The patient orientation has not been entered.	The patient orientation has not been entered.	Enter information correctly.	
20024		[RE20024] The study cannot be started.	The study cannot be started.	Choose study from the list, and start.	
20025		[RE20025] The batch output of the selected studies cannot be performed.	The batch output of the selected studies cannot be performed.	Confirm the status of studies.	
20026		[QA20026] Failed in displaying images from Synapse.	Failed in displaying images from Synapse.	Press the button below to continue other processing.	
20026		[RE20026] The returned record exceeds the limit.	The returned record exceeds the limit.	Set a higher maximum number of records. (The maximum value can exceed 10000.)	
20027		[QA20027] Failed in outputting the mis-exposure log.	Failed in outputting the mis-exposure log.	Restart the system.	
20028		[QA20028] Failed in outputting the mis-exposure log.	Failed in outputting the mis-exposure log.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20028		[RE20028] No record has been selected.	No record has been selected.	Choose study from the list.	
20029		[QA20029] Failed in changing the exposure menu.	Failed in changing the exposure menu.	Restart the system.	
20029		[RE20029] The status of the selected study is invalid.	The status of the selected study is invalid.	Choose study from the list.	
20030		[QA20030] The S value has exceeded the limit value.	The S value has exceeded the limit value.	Check the S value.	

Event	Event Source	Description	Causes	Remedies	Remarks
20030		[RE20030] Study information could not be collected.	Study information could not be collected.	Continue the processing with the collected study information.	
20030		[TS20030] The S value has exceeded the limit value.	The S value has exceeded the limit value.	Check the S value.	
20031		[QA20031] The L value has exceeded the limit value.	The L value has exceeded the limit value.	Check the L value.	
20031		[RE20031] Study could not be started.	Study could not be started.	The study that couldn't be started has been registered for reservation. Start a study from the study list.	
20031		[TS20031] The L value has exceeded the limit value.	The L value has exceeded the limit value.	Check the L value.	
20032		[QA20032] Failed in switching images.	Failed in switching images.	Click the button displayed on the screen.	* This function cannot be completed.
20032		[RE20032] None of the selected studies contain exposure menus.	None of the selected studies contain exposure menus.	Select a study and start it. After starting the study, register an exposure menu.	
20033		[QA20033] Failed in switching images.	Failed in switching images.	Restart the system.	
20033		[RE20033] Study in which no exposure menu has been registered exists in the selected studies.	Study in which no exposure menu has been registered exists in the selected studies.	Select studies in which their exposure menu is registered and start the studies.	
20034		[QA20034] Failed in displaying the order information.	Failed in displaying the order information.	Restart the system.	
20034		[RE20034] Failed in relocating the exposure menu.	Failed in relocating the exposure menu.	User Utility.Confirm User Utility.	
20035		[QA20035] Failed in outputting the mis-exposure log.	Failed in outputting the mis-exposure log.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20035		[RE20035] Failed in accessing the study.	Failed in accessing the study.	Update the list to reflect the latest status. Press the button below to continue the processing.	
20036		[QA20036] Failed in outputting the mis-exposure log.	Failed in outputting the mis-exposure log.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20036		[RE20036] Auto-issuance ID is not correct.	Auto-issuance ID is not correct.	Specify auto-issuance ID (%s-%s) within the range where MinID is lower than MaxID.	
20037		[QA20037] Failed in notifying the linking application.	Failed in notifying the linking application.	Restart the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
20037		[QA20037] Failed in displaying or updating the option monitor.	Failed in displaying or updating the option monitor.	Restart the system.	
20038		[RE20038] The range of auto-issuance ID # is duplicated.	The range of auto-issuance ID # is duplicated.	Re-input the range of auto-issuance ID	
20039		[RE20039] The facility identification code is incorrect.	The facility identification code is incorrect.	Set up a facility identification code using single byte alphanumeric characters except for invalid characters such as *, @, and space.	
20040		[QA20040] Failed in selecting exposure menus.	Failed in selecting exposure menus.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20041		[QA20041] Failed in changing the order of exposure menu list.	Failed in changing the order of exposure menu list.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20042		[QA20042] Failed in scrolling the exposure menu list.	Failed in scrolling the exposure menu list.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20043		[RE20043] It exceeded the maximum value of issuable ID.	It exceeded the maximum value of issuable ID.	Restore the issuance ID to the minimum value.	
20044		[RE20044] The format of the setting file is incorrect.	The format of the setting file is incorrect.	Confirm the setting file.	
20045		[RE20045] A study which cannot be started has been selected.	A study which cannot be started has been selected.	Select a study again.	
20047		[RE20047] The maximum duration that Patient ID is stored is incorrect.	The maximum duration that Patient ID is stored is incorrect.	Specify the maximum duration that Patient ID is stored within the range of [1...365].	
20048		[RE20048] None of the anatomical regions has been selected.	None of the anatomical regions has been selected.	Select one or more anatomical regions.	
20049		[RE20049] None of the screening type has been selected.	None of the screening type has been selected.	Select one or more screening type.	
20050		[QA20050] The specified position is invalid.	The specified position is invalid.	The top image and the bottom image cannot be specified. Specify the center image and another image.	
20050		[RE20050] Input of screening type has not been completed yet.	Input of screening type has not been completed yet.	Input necessary information.	
20051		[QA20051] The specified position is invalid.	The specified position is invalid.	Adjust the image position	

Event	Event Source	Description	Causes	Remedies	Remarks
20051		[RE20051] A normal study and an order study that was started from RIS have been selected.	A normal study and an order study that was started from RIS have been selected.	Select again.	
20052		[QA20052] Rotation direction is invalid.	Rotation direction is invalid.	Directions of images to be composed are not the same. Set the images to the same direction.	
20053		[QA20053] Failed in reading out patient information.	Failed in reading out patient information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
20053		[RE20053] An error occurred in converting a part of data.	An error occurred in converting a part of data.	Click the button and continue the processing.	
20054		[RE20054] An error occurred in converting all data.	An error occurred in converting all data.	Click the button and continue the processing.	
20055		[RE20055] All of the selected studies are unable to execute.	All of the selected studies are unable to execute.	Click the button displayed on the screen.	
20056		[RE20056] Some exposure menus cannot be registered. There is an inconsistency between the modality of Console and the exposure menus received.	Some exposure menus cannot be registered. There is an inconsistency between the modality of Console and the exposure menus received.	Check the modality settings of Service Utility. Check the received exposure menu.	
20059		[RE20059] Output of some studies was disabled.	Output of some studies was disabled.	Select studies which could not be outputted in the list.	
20060		[RE20060] The selected study is unable to execute the QC.	The selected study is unable to execute the QC.	Select studies again.	
20061		[RE20061] The studies of QC for general and mammography cannot be saved at the same time.	The studies of QC for general and mammography cannot be saved at the same time.	Select studies again.	
20063		[RE20063] A registered study is selected.	A study which can be suspended is selected in the list.	Execute suspension again.	
20064		[RE20064] A registered study is selected.	A registered study is selected.	Select the correct study and execute again.	
20065		[RE20065] A study with invalid patient information is selected.	A study which can be suspended is selected in the list.	Execute suspension again.	
20066		[RE20066] A study with invalid patient information is selected.	A study with invalid patient information is selected.	Select the correct study and execute again.	

Event	Event Source	Description	Causes	Remedies	Remarks
20235	CslAdv_Re	Failed in accessing into the receipt image db	Failed in accessing the reception image db.	Restart DR-ID 800CL.	
20400	CslAdv_Re	Show status dialog failure	Failed to show dialog at the time of starting studies/QA or restarting studies.	Restart DR-ID 800CL.	
20401 to 20403	ClsAdv_Tomo	1%	An error occurred in TomoImageDisplayMgrCtrl.dll. Failed in displaying images.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	1%: The spot of the error and its cause
20450	CslAdv_QA	QACommon.dll QAFileLog.ctor	File path has not been defined.	Check the path of log files defined by Directory.ini.	
20453	CslAdv_Re	Error when using GuiAdp to load resource	An error occurred in loading resources.	Restart DR-ID 800CL.	
20500	CslAdv_Re	Update exposure menu control failure	Failed to update the exposure menu control.	Restart DR-ID 800CL.	
20600	CslAdv_Re	Select changed of the lstStudyList control failure	Failed to handle the SelectChanged event of the lstStudyList control.	Restart DR-ID 800CL.	
20602	ClsAdv_Tomo	1%	An error occurred in TomoRecCondResOutputCtrl.dll. An error occurred when displaying output range.	Restart DR-ID 800CL.	1%: The spot of the error and its cause
20603	ClsAdv_Tomo	1%	An error occurred in TomoRecCondResOutputCtrl.dll. An error occurred when displaying output range.	Restart DR-ID 800CL.	1%: The spot of the error and its cause
20607	CslAdv_Re	Index out of range	An error occurred while setting the body part of the exposure menu or setting focus to the impedance of the study type.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
20641	CslAdv_Re	Read ReleasePossessionXXX.xml failed	Failed to get result data at the end of FLP.	Restart DR-ID 800CL.	
20642	CslAdv_Re	Can not release possession of selected study.	Failed to release possession at the end of FLP.	Restart DR-ID 800CL.	
20700	CslAdv_Re	Abort synchronize thread	Failed to synchronize data when the console_db was changed.	Restart DR-ID 800CL.	
20701		[TS20701] Reconstruction processing cannot be executed again.	Reconstruction processing cannot be executed again.	Check the status of PPU and the connection with PPU. Re-execute the reconstruction processing.	
20702		[TS20702] An error occurred while loading the reconstruction mode.	An error occurred while loading the reconstruction mode.	Check the status of PPU and the connection with PPU.	
20703		[TS20703] DDO file is not authorized to be updated.	DDO file is not authorized to be updated.	Update the data again by the authorized user.	
20801	CslAdv_Re	Initializes customize study list form failure	Failed to open the customize study screen from the main form.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
20810	CslAdv_Re	Initializes search host screen failure	Failed to open the search host screen from the customize study form.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
20815	CslAdv_Re	Initializes basic setting screen failure	Failed to open the basic setting screen from the customize study form.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
20900	CslAdv_Re	General worklist error	An error occurred during the following operations. <ul style="list-style-type: none"> • Handling the elapsed event of Refresh Timer. • Displaying the status of data search dialog from RIS. • Handling SearchRisEvent from StatusDialog to RIS. • Registering the data returned from RIS. • Updating the study date/time at starting studies from the work list. 	Restart DR-ID 800CL.	
20901		[TS20901] The reconstruction processing could not be canceled.	The reconstruction processing could not be canceled.	Check the status of PPU and the connection with PPU.	
20902		[TS20902] The priority of the specified reconstruction processing could not be changed.	The priority of the specified reconstruction processing could not be changed.	Check the status of PPU and the connection with PPU.	
20903		[TS20903] The reconstruction job cannot be canceled.	The reconstruction job cannot be canceled.	Click the button displayed on the screen.	
21000	CslAdv_Mdlf	Module=%1, Class=%2, Method=%3, %4	Defective program (error).	Restart. If the same phenomenon recurred, reinstall the system.	%1: File name %2: Class name %3: Method name %4: Detail message
21000		[DE21000] Failed in obtaining information from the database.	Failed in obtaining information from the database.	*The list may not be displayed properly. Press the button below to continue other processing.	
21000	ClsAdv_Tomo	Value of '0' is not valid for 'emSize'. 'emSize' should be greater than 0 and less than or equal to System.Single.MaxValue. Parameter name: emSize	An error occurred in TomoMenuDispCtrl.dll. An error occurred when setting the font style in exposure menu information display processing.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
21001	CslAdv_Mdlf	Exceeded the Limitation Value of XCON Exposure Data. [%1 = %2]	An error in exceeding upper/lower limit of exposure conditions.	Check the exposure conditions.	
21001	CslAdv_Modality	Corresponding Selector is Nothing. InitialActiveButton is Selected. DDO TECHCODE:%1	Failed in acquiring the selector number.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	%1: TechniqueCode

Event	Event Source	Description	Causes	Remedies	Remarks
21001		[DE21001] Failed in canceling the output processing.	Failed in canceling the output processing.	*Output of selected images could not be canceled. Press the button below to continue other processing.	
21002	CslAdv_Mdlf	Timeout occurred while waiting exposure result.	Timeout occurred while waiting exposure result.	Check the X-ray device.	
21002	CslAdv_Modality	Exposure result is received but selected menu is invalid. The selected menu may be image inputted menu.	An error occurs inside the program.	Finish the study, and perform the study again. If the same phenomenon recurred, restart the application.	
21002		[DE21002] Failed in sending the message.	Failed in sending the message.	*List-related operations may not be performed properly. Press the button below to continue other processing.	
21002		[MI21002] Failed in dose acquisition from dose area product meter.	Failed in dose acquisition from dose area product meter.	* Dose area product values will not be stored. Confirm dose area product meter.	
21003		[MI21003] An exposure condition that is not registered in this system has been received from the exposure unit. The combination of X-ray tube, exposure technique and DR panel type may not have been specified correctly.	An exposure condition that is not registered in this system has been received from the exposure unit. The combination of X-ray tube, exposure technique and DR panel type may not have been specified correctly.	Reselect the selector to be used for exposure in DR-ID 800CL.	
21004		[MI21004] Failed in connecting with the X-ray unit. The image may have been lost.	Failed in connecting with the X-ray unit. The image may have been lost.	Confirm the connected device.	
21100	CslAdv_Re	Failed conditions start study	The data of study being input from RIS is invalid.	Check the following configuration items related to RIS connection. • Item 15 "Examination No.Length" of "5. CSL/IDT FUNCTION" • Item 17 "Use Series Identification From F-RIS" of "5. CSL/IDT FUNCTION"	
21100 to 21135	ClsAdv_Tomo	1%	An error occurred in TomoImgDispOperationCtrl.dll. An error occurred in the processing of displaying images.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	1%: The spot of the error and its cause

Event	Event Source	Description	Causes	Remedies	Remarks
21211	CslAdv_Re	Error Occurs from BC:Rislf	An error occurred from BC:Rislf.	Restart DR-ID 800CL. Check that access to the shared folder is possible with the receipt computer. Also check the following configuration items. <ul style="list-style-type: none"> Item 97 "Receipt Computer Info File Share Folder" of "5. CSL/IDT FUNCTION" Item 307 "Simplified Ordering Report Share Folder" of "5. CSL/IDT FUNCTION" 	
21212	CslAdv_Re	Failed in writing information into registry	Failed in setting the character string into registry.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
21213	CslAdv_Re	Error Occurs from BC:Rislf	An error occurred in steps of processing the OnInitianlizeResult event from SimpleOrdering Controller.	Restart DR-ID 800CL. Check that access to the shared folder is possible with the receipt computer. Also check the following configuration items. <ul style="list-style-type: none"> Item 97 "Receipt Computer Info File Share Folder" of "5. CSL/IDT FUNCTION" Item 307 "Simplified Ordering Report Share Folder" of "5. CSL/IDT FUNCTION" 	
21214	CslAdv_Re	Failed in accessing the image database	An error occurred in steps of processing the OnErrorOccured event from SimpleOrdering Controller.	Restart DR-ID 800CL. Check that access to the shared folder is possible with the receipt computer. Also check the following configuration items. <ul style="list-style-type: none"> Item 97 "Receipt Computer Info File Share Folder" of "5. CSL/IDT FUNCTION" Item 307 "Simplified Ordering Report Share Folder" of "5. CSL/IDT FUNCTION" 	
21216	CslAdv_Re	Failed in sending report to Simple ordering	An error occurred in steps of processing the OnReceiveOrder event from SimpleOrdering Controller.	Restart DR-ID 800CL. Check that access to the shared folder is possible with the receipt computer. Also check the following configuration items. <ul style="list-style-type: none"> Item 97 "Receipt Computer Info File Share Folder" of "5. CSL/IDT FUNCTION" Item 307 "Simplified Ordering Report Share Folder" of "5. CSL/IDT FUNCTION" 	
21502	CslAdv_Re	Out of maximum-setting exposure menu number	An error occurred when the user clicked a menu and tried to add the menu from the menu selection region to the menu list.	Set a value within the allowable range.	
21603	CslAdv_Re	SiteCode is not correct	The user is not allowed to enter characters or an error occurred while converting the character code to ANSI.	Enter the value again.	
21607	CslAdv_Re	Active target setting screen failed	The user clicked the tab setting button in the MassOrder setting screen.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
21611	CslAdv_Re	General Massorder error	An error occurred during the following operations. <ul style="list-style-type: none"> Processing the FormClosing event of the SoftKeyBoardForm control. Getting the maximum value, the minimum value, and the number of digits of the automatically numbered patient ID. Setting the text of patient ID. 	Restart DR-ID 800CL.	
21621	CslAdv_Re	Execute query delete record in IDHistory table failure	An error occurred during deleting the history of IDHistory table when starting DR-ID 800CL.	Restart DR-ID 800CL.	
21851	CslAdv_Re	Could not save DDO object into DDO file	A siteCode mapping error occurred while starting a study or starting a next study, and reading of DDO failed.	Restart DR-ID 800CL.	
22000	CslAdv_Mdlf	Module=%1, Class=%2, Method=%3, %4	Defective program (error).	Restart. If the same phenomenon recurred, reinstall the system.	%1: File name %2: Class name %3: Method name %4: Detail message
22000	ClsAdv_Tomo	1%	An error occurred in TomoDataMgrCtrl.dll. An error occurred in the image DataEntity control function.	Restart DR-ID 800CL.	1%: The spot of the error and its cause
22001	CslAdv_Mdlf	Exceeded the Limitation Value of XCON Exposure Data. [%1 = %2]	An error in exceeding upper/lower limit of exposure conditions.	Check the exposure conditions.	
22001	ClsAdv_Tomo	1%	An error occurred in TomoDataMgrCtrl.dll. An error occurred in the image DataEntity control function.	Restart DR-ID 800CL.	1%: The spot of the error and its cause
22002	CslAdv_Mdlf	Timeout occurred while waiting exposure result.	Timeout occurred while waiting exposure result.	Check the X-ray device.	
22002		[MI22002] Failed in dose acquisition from dose area product meter.	Failed in dose acquisition from dose area product meter.	Dose area product values will not be stored. Confirm dose area product meter.	
22601		[TS22601] Reconstruction processing could not be started.	Reconstruction processing could not be started.	Execute the reconstruction processing again.	
22601 to 22605	ClsAdv_Tomo	1%	An error occurred in TomoJobMgntCtrl.dll. An error occurred in the managing processing of reconstruction queue.	Restart DR-ID 800CL.	1%: The spot of the error and its cause
22602		[TS22602] Reconstruction processing could not be started.	Reconstruction processing could not be started.	Check the status of PPU and the connection with PPU.	
22603		[TS22603] The image information could not be acquired from PPU.	The image information could not be acquired from PPU.	Check the status of PPU and the connection with PPU.	

Event	Event Source	Description	Causes	Remedies	Remarks
22604		[TS22604] The parameter of reconstruction condition is invalid.	The parameter of reconstruction condition is invalid.	Check the parameters.	The following items are changed. (Unit: mm) 1. Slice center height 2. Slice width 3. Slice interval
22605		[TS22605] The height of the center slice for PPU exceeded the maximum value (500mm).	The height of the center slice for PPU exceeded the maximum value (500mm).	Check the status of PPU and the connection with PPU.	
22606		[TS22606] An error occurred while creating a marker.	An error occurred while creating a marker.	Click the button displayed on the screen.	
22607		[TS22607] A tomosynthesis menu in process of reconstruction exists.	A Tomosynthesis menu in process of reconstruction exists.	Click the button displayed on the screen.	
22608		[TS22608] An image of which the height of the slice is 0 to 500mm can only be generated. Other images cannot be generated.	An image of which the height of the slice is 0 to 500mm can only be generated. Other images cannot be generated.	Check the height of the slice.	
22609	ClsAdv_Tomo	* String of the exception occurred is output.	An error occurred while setting the position of the scroll bar.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
22609		[TS22609] The number of exposure images could not be obtained properly.	The number of exposure images could not be obtained properly.	Confirm the number of exposure images.	
22610	ClsAdv_Tomo	* String of the exception occurred is output.	An error occurred while setting the position of the scroll bar.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
22611	ClsAdv_Tomo	* String of the exception occurred is output.	An error occurred while setting the indexes of the 1st column to be displayed.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
22612	ClsAdv_Tomo	* String of the exception occurred is output.	An error occurred when acquiring the values in the table.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
22613	ClsAdv_Tomo	* String of the exception occurred is output.	An error occurred while retrieving/setting values of the table.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
22614	ClsAdv_Tomo	* String of the exception occurred is output.	An error occurred while retrieving/setting a value of the scroll bar.	Preform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
22615	ClsAdv_Tomo	* String of the exception occurred is output.	An error occurred when generating the display data.	Restart DR-ID 800CL.	
22802		[UU22802] The patient's ID # is too long,	The patient's ID # is too long,	Enter information correctly.	

Event	Event Source	Description	Causes	Remedies	Remarks
22803		[UU22803] Invalid character(s) are included in the patient's ID#.	Invalid character(s) are included in the patient's ID#.	Enter information correctly.	
22804		[UU22804] The patient's Name is too long.	The patient's Name is too long.	Enter information correctly.	
22805		[UU22805] Invalid character(s) are included in the patient's name.	Invalid character(s) are included in the patient's name.	Enter information correctly.	
22806		[UU22806] The Kanji patient's name is too long.	The Kanji patient's name is too long.	Enter information correctly.	
22807		[UU22807] Invalid character(s) are included in the Kanji Patient's Name.	Invalid character(s) are included in the Kanji Patient's Name.	Enter information correctly.	
22808		[UU22808] The format used for the sex is incorrect.	The format used for the sex is incorrect.	Enter information correctly.	
22809		[UU22809] The format used for the date of birth is incorrect.	The format used for the date of birth is incorrect.	Enter information correctly.	
22810		[UU22810] Patient information has not been entered.	Patient information has not been entered.	Enter at least one of the following items: patent ID #, patient name and sex.	
23001		[MI23001] An exposure condition that is not registered in this system has been received from the exposure unit. The combination of X-ray tube, exposure technique and DR panel type may not have been specified correctly.	An exposure condition that is not registered in this system has been received from the exposure unit. The combination of X-ray tube, exposure technique and DR panel type may not have been specified correctly.	Reselect the selector to be used for exposure in DR-ID 800CL.	
23003 to 23007	ClsAdv_Tomo	1%	An error occurred in TomoImgProcReqQueueCtrl.dll. An error occurred when initializing the Tomosynthesis View.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	1%: The spot of the error and its cause
23008	ClsAdv_Tomo	Key [%1] is set default value = %2	Failed to get the option setting values when starting Tomosynthesis due to the following reasons. <ul style="list-style-type: none"> • There is no setting file. • A setting key is not assigned to the setting file. • Set values of the setting file are incorrect (type, range). 	Check the settings corresponding to the key indicated by log message, and correct the error according to the causes described in the "Cause" column.	* When an error occurs, the default value is used automatically, and Tomosynthesis is normally started.
23101 to 23104	ClsAdv_Tomo	1%	An error occurred in TomoDBAccessor.dll. An database access error has occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	1%: The spot of the error and its cause

Event	Event Source	Description	Causes	Remedies	Remarks
23200	ClsAdv_Tomo	+ DCMObjExException + General Exception	Failed in reflecting the DDO tags.	Perform the operation again. If the operation cannot be performed, restart DR-ID 800CL.	
23202	ClsAdv_Tomo	+ Get Latitude Tag Value Failed	Failed in acquiring the value of Latitude tag as it does not exist.	Perform the operation again. If the operation cannot be performed, restart DR-ID 800CL.	
23203	ClsAdv_Tomo	+ DCMObjExException + General exception	Failed in acquiring the value of Latitude tag as it does not exist.	Perform the operation again. If the operation cannot be performed, restart DR-ID 800CL.	
23204	ClsAdv_Tomo	+ General exception	An exception occurred when acquiring the DDO tags.	Perform the operation again. If the operation cannot be performed, restart DR-ID 800CL.	
23205	ClsAdv_Tomo	+ DCMObjExException	Failed in deleting the DDO tags.	Perform the operation again. If the operation cannot be performed, restart DR-ID 800CL.	
23205	FFQRP	FFInternal2Output2 error	The DDO file does not exist or is damaged.	Search the study again.	
23205	FFQRP	ddo_GetUnicodeVR_DICOMObject error.	The DDO file does not exist or is damaged.	Search the study again.	
23205	FFQRP	All image of study is not support: intNotSupportImage: {0} - intImageTotalNumber: {1}	An image which is not supported exists in the study.	Search the study again.	
23205	FFQRP	intNotSupportImage: {0} - intImageTotalNumber: {1} - intDisplayedImage: {2} - intImageError: {3}	An image which is not supported exists in the study.	Search the study again.	
23205	FFQRP	Not support image(s): {0} - Total support image(s): {1} - Totak image(s): {2}	An image which is not supported exists in the study.	Confirm whether the tomosynthesis image or the image exposed with long view menu for outputting individually in the study exists or not.	
23305	FFQRP	Can't get patient name format type from QRPCConfig.XML.	The config file does not exist or is damaged.	Reinstall Network Image Search function.	
23207	ClsAdv_Tomo	+ DCMObjExException + General exception + EncoderFallbackException	An error occurred when copying the DDO tags data.	Perform the operation again. If the operation cannot be performed, restart DR-ID 800CL.	
23208	ClsAdv_Tomo	+ DCMObjExException + General exception	An error occurred when reflecting the exposure order of DDO tags.	Perform the operation again. If the operation cannot be performed, restart DR-ID 800CL.	
23209	ClsAdv_Tomo	+ ArgumentException + FormatException + General exception	An error occurred when convert from byte to short.	Perform the operation again. If the operation cannot be performed, restart DR-ID 800CL.	
23210	ClsAdv_Tomo	+ DCMObjExException + General exception + FF32CSEException	An error occurred when creating image UID.	Restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
23600	FFQRP	Not found resource file : {0}	The resource file does not exist or is damaged.	Reinstall Network Image Search function.	
24300		[UU24300] Patient information has been registered more than the number of displayable information.	Patient information has been registered more than the number of displayable information.	Search by the key word.	
24301		[UU24301] Patient information beyond the number of displayable information was found.	Patient information beyond the number of displayable information was found.	Change the key word and try again.	
24302		[UU24302] Failed in connecting to the patient information management host.	Failed in connecting to the patient information management host.	It will be connected to the data base of this system. To connect to the management host again, confirm the connection and input a "-"(hyphen) to the patient ID# to search.	
24308		[UU24308] Failed in obtaining patient information.	Failed in obtaining patient information.	It may have been deleted by another system. Search again.	
24801		[UU24801] The kana patient name is too long.	The kana patient name is too long.	Enter information correctly.	
24802		[UU24802] Invalid character(s) are included in the kana patient's name.	Invalid character(s) are included in the kana patient's name.	Enter information correctly.	
24803		[UU24803] The telephone number is too long.	The telephone number is too long.	Enter information correctly.	
24804		[UU24804] Invalid character(s) are included in the telephone number.	Invalid character(s) are included in the telephone number.	Enter information correctly.	
24805		[UU24805] The format used for the blood type (ABO) is incorrect.	The format used for the blood type (ABO) is incorrect.	Enter information correctly.	
24806		[UU24806] The format used for the blood type (Rh) is incorrect.	The format used for the blood type (Rh) is incorrect.	Enter information correctly.	
24807		[UU24807] The physical disorder information is too long.	The physical disorder information is too long.	Enter information correctly.	
24808		[UU24808] Invalid character(s) are included in the physical disorder information.	Invalid character(s) are included in the physical disorder information.	Enter information correctly.	
24809		[UU24809] The infection information is too long.	The infection information is too long.	Enter information correctly.	

Event	Event Source	Description	Causes	Remedies	Remarks
24810		[UU24810] Invalid character(s) are included in the infection information.	Invalid character(s) are included in the infection information.	Enter information correctly.	
24811		[UU24811] The contraindication information is too long.	The contraindication information is too long.	Enter information correctly.	
24812		[UU24812] Invalid character(s) are included in the contraindication information.	Invalid character(s) are included in the contraindication information.	Enter information correctly.	
24813		[UU24813] The patient comment is too long.	The patient comment is too long.	Enter information correctly.	
24814		[UU24814] Invalid character(s) are included in the patient comment.	Invalid character(s) are included in the patient comment.	Enter information correctly.	
24815		[UU24815] Items to be displayed have not been set.	Items to be displayed have not been set.	Set more than one display items.	
24816		[UU24816] The setting of warning time for decreased battery capacity exceeds a range of 10 to 59.	The setting of warning time for decreased battery capacity exceeds a range of 10 to 59.	Enter information correctly.	
24817		[UU24817] Input information is invalid. The number of studies is from one to 1000.	Input information is invalid.	Enter correctly.	
24818		[UU24818] Input information is invalid. Select one or more hosts.	Input information is invalid.	Enter correctly.	
24819		[UU24819] The remaining battery level to cause system shutdown exceeds a range of 5 to 50%.	The remaining battery level to cause system shutdown exceeds a range of 5 to 50%.	Enter correctly.	
29999	CslAdv_Delivery	Can Not Write CallLog.\n{0}\n{1}	An exception occurred in outputting the CallLog.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
29999	CslAdv_Delivery	Can Not Write EnterLog.\n{0}\n{1}	An exception occurred in outputting the EnterLog.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
29999	CslAdv_Delivery	Can Not Write ExitLog\n{0}\n{1}	An exception occurred in outputting the ExitLog.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
29999	CslAdv_Delivery	Can Not Write ReturnLog.\n{0}\n{1}	An exception occurred in outputting the ReturnLog.	Restart. If the same phenomenon recurred, reinstall the system.	{0}: Exception message {1}: Stack trace
30000		[TS30000] Do you wish to delete the markers and continue the operation?	The markers is tried to be deleted.	Click [No] and continue the operation without deleting the markers.	

Event	Event Source	Description	Causes	Remedies	Remarks
30000	CslAdv_IDAutoConvert	FF32CS. RegGetKeyDWORD	Failed in obtaining the registry information.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
30001	CslAdv_Modality	ImageStatus != MENU_CREATED - ImageStatus = %1	The menu which cannot expose has been selected.	Select the other menu. Add a menu.	
30001	CslAdv_Modality	ImageStatus != MENU_CREATED/MENU_FIXED/ MENU_FIXED_FREE/ READYUP_FREE - ImageStatus = %1	The menu which cannot expose has been selected.	Select the other menu. Add a menu.	
30001	CslAdv_SystemManager	Application.Start	Application launched.	-	Information to know that the application was being started.
30001	CslAdv_Modality	ImageStatus != IMAGING_COMPLETED/OUTPUT_COMPLETED/READYUP_FREE/MENU_CREATED - ImageStatus = %1, ImageId = %2	Menu status is invalid.	Select the menu again. If the same phenomenon recurred, restart the Console.	%1 :The status of selected menu %2 :Menu number
30001	CslAdv_Modality	ImageStatus != MENU_FIXED/MENU_FIXED_FREE - ImageStatus = %1, ImageId = %2	Menu status is invalid.	Select the menu again. If the same phenomenon recurred, restart the Console.	%1 :The status of selected menu %2 :Menu number
30001	CslAdv_Modality	MenuOperation != SELECTED_FREE/ SELECTED_LOCK - MenuOperation = %1, ImageId = %2	Menu status is invalid.	Select the menu again. If the same phenomenon recurred, restart the Console.	%1 :The status of selected menu %2 :Menu number
30001	CslAdv_Modality	MenuOperation != SELECTED_FREE - MenuOperation = %1, ImageId = %2	Menu status is invalid.	Select the menu again. If the same phenomenon recurred, restart the Console.	%1 :The status of selected menu %2 :Menu number
30001	CslAdv_Modality	ImageStatus != MENU_FIXED - ImageStatus = %1, ImageId = %2	Menu status is invalid.	Select the menu again. If the same phenomenon recurred, restart the Console.	%1 :The status of selected menu %2 :Menu number
30001		[QC30001] Established criteria have been changed.	Established criteria have been changed.	-	
30001		[IC30001] Auto-conversion of patient ID will be executed.	Auto-conversion of patient ID will be executed.	-	
30001	CslAdv_Modality	High Sensitive mode has timed out	Timeout has occurred in Xfree high-sensitivity mode.	Click the button and continue the operation.	
30001		[MI30001] The function has been changed.	The function has been changed.	Reconfigure APR on the X-ray generator.	

Event	Event Source	Description	Causes	Remedies	Remarks
30002	CslAdv_SystemManager	Application.Exit	Application exited properly.	-	Information to know that the application was being exited properly.
30002		[QC30002] The study result cannot be stored.	The study result cannot be stored.	Input the study result.	
30003	CslAdv_SystemManager	ConsoleEventIndicator.Start	Indicator processing was started.	-	Information to know that the application was being started.
30003		[QC30003] Some items have not yet been input.	Some items have not yet been input.	Enter the user input items.	
30004	CslAdv_SystemManager	ConsoleEventIndicator.End	Indicator processing was finished.	-	Information to know that the application was being exited properly.
30004		[QC30004] Some items have not yet been input.	Some items have not yet been input.	Execute the measurement processing.	
30005		[OM30005] The screen resolution has been changed.	The screen resolution has been changed.	Restart the system.	
30005	CslAdv_SystemManager	MakeCabFile::Exception MakeCabFile Retry BackupLogCabMake Exception:: MaintePCUpLoad MakeCabFile NG MaintePCUpLoad:: exception=Mainte PCUpLoad::MainteFolder Nothing IIPBackupLogDataMake false end IIPBackupLogDataMake LogFile Nothing = IIPBackupLogDataMake	Failed in creating Cab file when outputting log file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	One of the 9 types will be set as an event content.
30005		[QC30005] Measurement processing will be implemented.	Measurement processing will be implemented.	-	
30006		[MD30006] Invalid characters are included in IP#.	Invalid characters are included in IP#.	Re-input correctly.	
30006		[QC30006] The study result is not stored accordingly.	The study result is not stored accordingly.	Store the study result.	
30006		[OM30006] The current password is not correct.	The current password is not correct.	Input a correct value.	
30007		[QC30007] Reconfirming.	Reconfirming.	Click [Yes] to save the data and exit QC. Click [No] to exit QC without saving the data.	

Event	Event Source	Description	Causes	Remedies	Remarks
30007		[OM30007] The new password and the new password for confirmation do not match.	The new password and the new password for confirmation do not match.	Input a correct value.	
30008		[ST30008] Please check the order of images.	Please check the order of images.	Check the order of the images.	
30008		[OM30008] The new password is identical to the password currently used.	The new password is identical to the password currently used.	Input a different password.	
30009		[MD30009] The conditions that do not allow an exposure to start have been sent from an external device.	The conditions that do not allow an exposure to start have been sent from an external device.	Check the exposure conditions of the external device.	
30009		[ST30009] Stitching processing cannot be executed because no more than one image has been inputted.	Stitching processing cannot be executed because no more than one image has been inputted.	Check the number of the inputted images.	
30009		[OM30009] Your password will expire in %s days.	Your password will expire in %s days.	Change the password.	
30010		[ST30010] Stitching processing cannot be executed since the image size or rotation information that has been inputted does not match one another.	Stitching processing cannot be executed since the image size or rotation information that has been inputted does not match one another.	Check the direction of the inputted image.	
30010		[OM30010] Your password has expired.	Your password has expired.	Change the password.	
30011		[ST30011] Please set the exposure condition properly again when the technique is changed.	Exposure condition has not been set properly.	Set the exposure conditions.	
30011		[MD30011] Image receiving could not be completed.	Image receiving could not be completed.	Receive again.	
30011		[OM30011] The length of new password is insufficient.	The length of new password is insufficient.	Make the password longer than the minimum string length.	
30012		[QC30012] Baseline values will be stored.	Baseline values will be stored.	-	
30012		[ST30012] Stitching processing has been performed on already acquired images.	Stitching processing has been performed on already acquired images.	-	

Event	Event Source	Description	Causes	Remedies	Remarks
30012		[OM30012] The new password contains an unusable character.	The new password contains an unusable character.	Enter single-byte alphanumerics.	
30013		[MD30013] Exposure was aborted.	Exposure was aborted.	The number of images irradiated was (%s/%s). * Check the images received.	
30013		[OM30013] Password is too long.	Password is too long.	Keep the password within 20 characters.	
30014		[MD30014] Failed in changing the panel.	Failed in changing the panel.	Initialize the panel.	
30014		[QC30014] Selected history information will be deleted.	Selected history information will be deleted.	-	
30015		[MD30015] Exposed images will be lost and unfinished long-view menus will be deleted if the menu is deleted.	The menu is tried to be deleted.	When you select [Yes], the images combining processing starts for only the retrieved images. When you select [No], images will be retrieved again without deleting them.	
30015		[QC30015] Basic value has been changed.	Basic value has been changed.	Store the study result.	
30016		[MD30016] The technique cannot be changed because the long-view menu has already been relocated.	The technique cannot be changed because the long-view menu has already been relocated.	The exposure technique cannot be changed for the developed long-view menu.	
30017		[MD30017] The exposure technique cannot be changed.	The exposure technique cannot be changed.	The menu whose exposure technique cannot be changed is selected. Check the menu.	
30018		[MD30018] The conditions to start exposure are not met.	The conditions to start exposure are not met.	Perform the operation again. If the same phenomenon recurred, restart DR-ID 800CL.	
30020		[QA30020] Information has been changed.	Information has been changed.	Check the Apply button to confirm the image processing adjustment results.	
30022		[TS30022] FNC-CRF image processing parameters are not configured properly.	FNC-CRF image processing parameters are not configured properly.	Check the FNC-CRF image processing parameters.	
30023		[TS30023] The corrected information will be saved.	The corrected information will be saved.	-	
30027		[RE30027] Failed in study start.	Failed to start the study since the same study as the study which is already controlled in DR-ID 800CL was received from MWM. The same studies are the studies which the following tag values are the same. (0020,000d): Study Instance UID (0040,0009): Scheduled Procedure StepID	Close the message window, and have an order newly issued from RIS or register the study at local.	

Event	Event Source	Description	Causes	Remedies	Remarks
30031		[TS30031] The corrected information will be saved.	The corrected information will be saved.	-	
30035		[ST30035] Search could not be performed from the ordering system.	Search could not be performed from the ordering system.	Enter search conditions and search again.	
30037		[RE30037] The history of patient ID issuance will be deleted.	The history of patient ID issuance will be deleted.	-	
30037		[ST30037] The study contains image(s) retrieved from a media.	The study contains image(s) retrieved from a media.	Click [OK] to continue the operation.	
30038		[QA30038] Failed in calculating the S or L value.	Failed in calculating the S or L value.	Specify two points for ROI again.	
30038		[RE30038] A study that is unable to execute exists.	A study that is unable to execute exists.	Confirm the study status.	
30038		[ST30038] The patient information has been modified.	The patient information has been modified.	Confirm that all information for the study in execution has been modified correctly, and then complete the study.	
30039		[ST30039] The study contains Tomosynthesis menu(s).	The study contains Tomosynthesis menu(s).	Click [OK] to continue the operation.	
30040		[QA30040] Invalid combination has been selected.	Invalid combination has been selected.	Switching of general exposure will be changed to the default value.	
30040		[RE30040] All the patient ID of the facility identification code currently set up will be cleared.	All the patient ID of the facility identification code currently set up will be cleared.	-	
30040		[ST30040] Failed in relocating the study information.	Failed in relocating the study information.	Check the study information registered in RIS.	
30041		[QA30041] This function cannot be executed.	This function cannot be executed.	Click the button to proceed the process.	
30041		[RE30041] Patient ID that will be issued is duplicated.	Patient ID that will be issued is duplicated.	Confirm the patient ID.	
30042		[QA30042] This function cannot be executed.	This function cannot be executed.	Click the button to proceed the process.	
30042		[RE30042] There is a study not in the Waiting QA list.	There is a study not in the Waiting QA list.	Confirm the study status.	
30042		[ST30042] This function cannot be executed.	This function cannot be executed.	Press the button below to continue the processing.	

Event	Event Source	Description	Causes	Remedies	Remarks
30043		[QA30043] Markers exist in the ES paired image. Do you wish to delete the markers and execute the operation?	Markers exist in the ES paired image.	If [No] is selected, the operation will be continued without deleting the markers.	
30044		[QA30044] Images cannot be stitched because those images are not linked with one another.	Images cannot be stitched because those images are not linked with one another.	Adjust the image position.	
30045		[QA30045] It exceeds the maximum number of ViewModifier.	It exceeds the maximum number of ViewModifier.	Select ViewModifier not more than 4.	
30046		[QA30046] View modifier code sequence items cannot be changed.	View modifier code sequence items cannot be changed.	Select an image with view code data.	
30048		[QA30048] It may not have been properly stitched.	It may not have been properly stitched.	Check the image.	
30049		[QA30049] Image positioning will be executed.	The right-and-left mammography image trimming position is changed.	Click [OK] and the trimming position will be changed.	
30209		[MD30209] System error occurred.	System error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
30216		[ST30216] There is no settable trimming size in %s.	There is no settable trimming size in %s.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
30507		[ST30507] A communication error with Ascent View occurred.	A communication error with Ascent View occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
30600		[TS30600] The output range is incorrect.	The output range is incorrect.	Check the output range.	The output range returns to the value before the setting.
30902		[TS30902] Do you want to cancel the reconstruction processing?	The reconstruction processing is tried to be stopped.	Click [OK] to cancel the reconstruction processing.	
30903		[TS30903] Do you want to cancel the reconstruction processing even if it cannot be executed again?	The reconstruction processing is tried to be stopped.	Click [OK] to cancel the reconstruction processing.	
31000	CslAdv_Mdlf	Module=%1, Class=%2, Method=%3, %4	Defective program (error).	Restart. If the same phenomenon recurred, reinstall the system.	%1: File name %2: Class name %3: Method name %4: Detail message

Event	Event Source	Description	Causes	Remedies	Remarks
31099		[MD31099] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
31108	CslAdv_Re	Failed in switching current user	Failed to change the current user when starting studies from the work list.	Restart DR-ID 800CL.	
31114		[ST31114] Failed in specifying the urgent processing.	Failed in specifying the urgent processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
31249		[ST31249] EDR mode is illegal.	EDR mode is illegal.	Confirm the EDR Mode.	
31270		[ST31270] Input value is illegal.	Input value is illegal.	Re-input correctly.	
31305	CslAdv_Study	Failed warning SL	It fails when display warning SL value.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
31306	CslAdv_Study	Failed confirming IRS	It fails when finish dialog show the detail confirming IRS analyze.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
31344		[ST31344] Image size could not be identified.	Image size could not be identified.	*The Image size sent from the reading device has a problem. Check the device.	
31350		[ST31350] The parameter of reconstruction condition is invalid.	The parameter of reconstruction condition is invalid.	Check the reconstruction condition parameters.	The following items are updated. (Unit: mm) 1. Slice center height 2. Slice range 3. Slice interval
31360		[ST31360] An image of which the height of the slice is 0 to 500mm can only be generated. Other images cannot be generated.	An image of which the height of the slice is 0 to 500mm can only be generated. Other images cannot be generated.	Check the height of the slice.	
31398		[MD31398] Failed in terminating.	Failed in terminating.	Try the operation again.	
31407		[ST31407] Failed in setting the exposure size.	Failed in setting the exposure size.	Check the device.	
31408		[ST31408] Failed in setting the reference position for exposure.	Failed in setting the reference position for exposure.	Confirm the connected device.	
31410		[MD31410] No response comes from the device that shares ID information.	No response comes from the device that shares ID information.	Check the device.	
31421		[MD31421] The exposure menu could not be determined.	The exposure menu could not be determined.	Press the confirmation button at the bottom of the window after reselecting the appropriate menus for the exposures.	

Event	Event Source	Description	Causes	Remedies	Remarks
31422		[MD31422] Not able to transit to High Sensitivity Mode.	Not able to transit to High Sensitivity Mode.	Select a correct type of DR exposure panel.	
31423		[ST31423] Failed in stitching images.	Failed in stitching images.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
31423		[MD31423] Not able to release High Sensitivity Mode.	Not able to release High Sensitivity Mode.	Reselect an exposure menu.	
31429		[MD31429] Failed in setting patient information.	Failed in setting patient information.	Restart DR-ID 800CL.	
31465		[ST31465] It will be treated as a regular image due to a failure of provisional linkage.	It will be treated as a regular image due to a failure of provisional linkage.	Define as mis-exposed image and perform an exposure again.	
31467		[ST31467] Failed in energy subtraction processing.	Failed in energy subtraction processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
32000	CslAdv_Mdlf	Module=%1, Class=%2, Method=%3, %4	Defective program (error).	Restart. If the same phenomenon recurred, reinstall the system.	%1: File name %2: Class name %3: Method name %4: Detail message
32000	ClsAdv_Tomo	1%	An error occurred in TomoDataMgrCtrl.dll. An error occurred in the image DataEntity control function.	Restart DR-ID 800CL.	1%: The spot of the error and its cause
32021		[ST32021] The study could not be completed.	The study could not be completed.	Wait for a while and try again.	
32023		[ST32023] Data for exposure analysis is full.	Data for exposure analysis is full.	Back up and clear the data with the User Utility.	If the operation is continued without backing up and clearing the data, saving the analysis data will not be guaranteed.
32025		[ST32025] failed in relocating the exposure menu.	failed in relocating the exposure menu.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
32043		[ST32043] Failed in linking to the patient information display terminal.	Failed in linking to the patient information display terminal.	Check the patient information for the study that is currently in process and for the study that is displayed on the patient information display terminal.	
32600		[TS32600] An error occurred when connecting to PPU	An error occurred when connecting to PPU.	Check the status of PPU and the connection with PPU.	

Event	Event Source	Description	Causes	Remedies	Remarks
32601		[TS32601] Failed in acquiring the image file from PPU.	Failed in acquiring the image file from PPU.	Check the status of PPU. Click the button displayed on the screen.	
32602		[TS32602] Failed in acquiring the image file from PPU.	Failed in acquiring the image file from PPU.	Check the status of PPU. Click the button displayed on the screen.	
32603		[TS32603] A time error occurred while an image file was being copied.	A time error occurred while an image file was being copied.	Check the status of PPU and the connection with PPU.	
34019		[ST34019] A menu in which reconstruction processing has not been executed exists in the study.	A menu in which reconstruction processing has not been executed exists in the study.	Check the target menu. Specify mis-exposure for a Tomosynthesis menu which does not require reconstruction processing and complete the study.	
34020		[ST34020] A menu which is currently in process of reconstruction exists in the study.	A menu which is currently in process of reconstruction exists in the study.	Suspend the study. The study is not automatically completed even after the reconstruction image processing ends. After resuming the study, check the image and complete the study.	
34021		[ST34021] Please check the reconstructed image in the study.	The reconstructed image in the study needs to be checked.	Check the reconstructed image.	
34022		[ST34022] A study that has been suspended due to exposure conditions exists.	A study that has been suspended due to exposure conditions exists.	Check the completion state of the study. If it contains a Tomosynthesis menu, resume the study to check the image and then complete the study.	
34038		[ST34038] The target menu is in process of reconstruction processing.	The target menu is in process of reconstruction processing.	Cancel the reconstruction processing for the target menu and specify mis-exposure.	
34048		[ST34048] An attempt was made to display an image outside the specified range.	The number of menus exceeds the range available for image display.	Display the menu within the range which can be displayed.	
34049		[ST34049] A menu that exceeds the range available for image display was selected.	A menu that exceeds the range available for image display was selected.	Select the menu within the range which can be displayed.	
34050		[ST34050] The number of registered menus exceeds the range available for image display.	The number of registered menus exceeds the range available for image display.	Display the registration menu within the range which can be displayed.	
34057		[ST34057] Too many menus are included in the study.	Too many menus are included in the study.	Reduce the number of menus to %s or less and perform exposures.	

Event	Event Source	Description	Causes	Remedies	Remarks
34061		[ST34061] Failed in cancelling the right-and-left mammography image positioning.	Failed in cancelling the right-and-left mammography image positioning.	Review the trimming position on the right-and-left images.	
34063		[ST34063] Some of the set-menu images have not been received yet.	Some of the set-menu images have not been received yet.	Input images in all the set-menus and then operate again.	
34064		[ST34064] A study that includes this menu will be deleted.	A study that includes this menu will be deleted.	Select [OK] to delete them. Select [CANCEL] not to delete them.	
34065		[ST34065] Failed in positioning the right and left mammography images.	Failed in positioning the right-and-left mammography images.	Check the image orientation and others, and then re-perform image positioning.	
34066		[ST34066] Image positioning will be executed.	The currently set trimming position was changed.	Click [OK] and the trimming position will be changed.	
34068		[ST34068] It may not have been properly stitched.	It may not have been properly stitched.	In case of an error in the stitching processing, perform manual stitching processing.	
34069		[ST34069] S/L values are outside the specified range.	S/L values are outside the specified range.	Check the exposure conditions.	
34075		[ST34075] Failed in positioning the right and left mammography images.	Failed in positioning the right-and-left mammography images.	Adjust the trimming position manually.	
34080		[ST34080] Images cannot be distributed because they are not stitched.	Images cannot be distributed because they are not stitched.	Input images and stitch them appropriately. Perform the necessary operations again.	
34107		[ST34107] Do you wish to delete the markers and execute the operation?	You tried to delete markers while executing the operation.	Select [Yes] to delete them. Select [No] not to delete them.	
34108		[ST34108] Images generated from different image generators cannot be replaced each other.	Images generated from different image generators cannot be replaced each other.	Press the button below to abort processing.	
34109		[ST34109] Images were input during the preview display.	Images were input during the preview display.	Try stitching operations again.	
34114		[ST34114] Conditions inhibiting the start of exposure had been sent from the external device.	Conditions inhibiting the start of exposure had been sent from the external device.	Check the exposure conditions on the external device.	
34118		[ST34118] Failed in menu selection.	Failed in menu selection.	Select a menu again.	

Event	Event Source	Description	Causes	Remedies	Remarks
34300		[ST34300] The number of patient information exceeds the number that can be indicated.	The number of patient information exceeds the number that can be indicated.	Search by the key word.	
34301		[ST34301] Patient information beyond the number which can be indicated was found.	Patient information beyond the number which can be indicated was found.	Change the key word, and search again.	
34302		[ST34302] The QC study will be saved.	The QC study will be saved.	Click [OK] and the QC study will be saved.	
34303		[ST34303] Failed in initialization of Smart-QA.	Failed in initialization of Smart-QA.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
34303	CslAdv_Study	Failed initialize IRS	It fails when initialize IRS Framwork.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
34304		[ST34304] Failed in analyzing Smart-QA.	Failed in analyzing Smart-QA.	Press the button below to continue other processing.	
34304	CslAdv_Study	Failed implement analyze IRS image	It fails when Implement analyze IRS image.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
34305		[ST34305] Failed in displaying Smart-QA analysis result.	Failed in displaying Smart-QA analysis result.	Press the button below to continue other processing.	
34306		[ST34306] Failed in processing the image correction.	Failed in processing the image correction.	Press the button below to continue other processing.	
34307		[ST34307] Failed in executing the exposure guidance function.	Failed in executing the exposure guidance function.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
34313		[ST34313] Unfinished exposure menu is selected.	Unfinished exposure menu is selected.	Stitch after selecting the menu for the density standard.	
34317		[ST34317] Failed in matching the density of long-view image stitching processing.	Failed in matching the density of long-view image stitching processing.	Adjust the density manually.	
34318		[ST34318] Failed in setting of auto marker.	Failed in setting of auto marker.	Check the information of the automatic marker.	
34319		[ST34319] Failed in duplicating the exposure menu.	Failed in duplicating the exposure menu.	Select an exposure menu registered with the User Utility.	
34320		[ST34320] The selected studies contain a study which cannot be started.	The selected studies contain a study which cannot be started.	Check the condition of study.	

Event	Event Source	Description	Causes	Remedies	Remarks
34321		[ST34321] Failed in initialization.	Failed in initialization.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
34322		[ST34322] Failed in obtaining delivery information. The target image will not be delivered.	Failed in obtaining delivery information. The target image will not be delivered.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
34324		[ST34324] Cannot be delivered because the reconstruction has not been completed.	Cannot be delivered because the reconstruction has not been completed.	Wait until the reconstruction is completed, and then perform operations again.	
34325		[ST34325] Cannot be delivered due to the mis-exposure setting.	Cannot be delivered due to the mis-exposure setting.	Release the mis-exposure setting, and then perform operations again.	
34326		[ST34326] The already-delivered image will be delivered again.	The already-delivered image will be delivered again.	Click [OK] and the already-delivered image will be delivered again.	
40000		[RE40000] Movement cannot be executed because no image is input.	Movement cannot be executed because no image is input.	Execute again after the image is input.	
40001		[RE40001] The source image cannot be moved because it is being output.	The source image cannot be moved because it is being output.	Execute again after the output is completed.	
40002		[RE40002] Movement cannot be executed because the destination study contains an image waiting to be received.	Movement cannot be executed because the destination study contains an image waiting to be received.	Execute again after a while.	
40003		[RE40003] The image cannot be moved because the destination study is being output.	The image cannot be moved because the destination study is being output.	Execute again after the output is completed.	
40004		[RE40004] Images in a suspended study cannot be moved into a QA-completed study.	Images in a suspended study cannot be moved into a QA-completed study.	Move the image which is not in a suspended study.	
40005		[RE40005] Images in a QA-not-completed study cannot be moved into a QA-completed study.	Images in a QA-not-completed study cannot be moved into a QA-completed study.	Move the image after the QA is completed.	
40006		[RE40006] Images in a suspended study cannot be moved into a study waiting for QA.	Images in a suspended study cannot be moved into a study waiting for QA.	Move the image which is not in a suspended study.	

Event	Event Source	Description	Causes	Remedies	Remarks
40007		[RE40007] Images in a study waiting for QA cannot be moved into a suspended study.	Images in a study waiting for QA cannot be moved into a suspended study.	Move the image after the QA is completed.	
40008		[RE40008] The image will be moved >Are you sure?	The image will be moved.	Click [OK] and the image will be moved.	
40010		[RE40010] The source image cannot be moved because it is included in a study which is receiving images.	The source image cannot be moved because it is included in a study which is receiving images.	Execute again after a while.	
40011		[RE40011] The source image cannot be moved because the right-and-left mammography image positioning has been performed on it.	The source image cannot be moved because the right-and-left mammography image positioning has been performed on it.	To move the source image, cancel the positioning.	
40012		[RE40012] The entry format of the specified period (From) is invalid.	The entry format of the specified period (From) is invalid.	Input it correctly.	
40013		[RE40013] The entry format of the specified period (To) is invalid.	The entry format of the specified period (To) is invalid.	Input it correctly.	
40014		[RE40014] "To" has an earlier date than "From" of the specified period.	To has an earlier date than "From" of the specified period.	Input it correctly.	
40015		[RE40015] The specified image has been deleted.	The specified image has been deleted.	Update the display and execute the processing again.	
40016		[RE40016] The study specified as the destination has been deleted.	The study specified as the destination has been deleted.	Update the display and execute the processing again.	
40017		[RE40017] Moving images to the specified hierarchy is prohibited by the system settings.	Moving images to the specified hierarchy is prohibited by the system settings.	Check the system settings.	
40018		[RE40018] The source image cannot be moved because it is being used for a study in another system.	The source image cannot be moved because it is being used for a study in another system.	Execute again after the study is completed.	
40019		[RE40019] The image cannot be moved because the destination study is being executed in another system.	The image cannot be moved because the destination study is being executed in another system.	Execute again after the study is completed.	

Event	Event Source	Description	Causes	Remedies	Remarks
40020		[RE40020] Images of the study in modality: %s cannot be moved into the study of modality:%s.	Images of the study in modality: %s cannot be moved into the study of modality:%s.	Check the study modality.	
40021		[RE40021] You have no authority to move images between studies.	You have no authority to move images between studies.	Check the authority.	
40022		[RE40022] The study information has been changed.	The study information has been changed.	Update the display and execute the processing again.	
40023		[RE40023] Required hard disk space is insufficient.	Hard disk space is insufficient.	Delete the study and execute again.	
40024		[RE40024] The keyword contains an illegal character.	The keyword contains an illegal character.	Input it correctly.	
40025		[RE40025] The date format is invalid.	The date format is invalid.	Input it correctly.	
40026		[RE40026] Filtering could not be executed.	Filtering could not be executed.	Enter information in the marked items correctly.	
40027		[RE40027] The source image cannot be moved because it is being reconstructed.	The source image cannot be moved because it is being reconstructed.	Execute again after the reconstruction is completed.	
40028		[RE40028] In Tomosynthesis menu, images cannot be moved to another system.	In Tomosynthesis menu, images cannot be moved to another system.	Check the study information.	
40029		[RE40029] Failed in moving the image.	Failed in moving the image.	Restart the system. If the same error recurs after restarting the system, contact your service engineer.	
40073	FW	Can not get image data from file path: "{0}"	The bitmap cannot be loaded.	Restart the system.	
40073	FW	Can not get image depth. Path="{0}"	The image depth cannot be acquired from DDO.	Restart the system.	
40073	FW	Can not get image file path. Path="{0}"	The path of the bitmap cannot be acquired from DDO.	Restart the system.	
40073	FW	Can not get image heigh. Path="{0}"	The image height cannot be acquired from DDO.	Restart the system.	
40073	FW	Can not get image with. Path="{0}"	The image width cannot be acquired from DDO.	Restart the system.	
40073	FW	Can not get the gamma table	LUT table cannot be created.	Restart the system.	
40073	FW	Can not get the image buffer	No memory to assign for image loading.	Restart the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
40073	FW	Can not get the XML parameter	AC cannot acquire the "create xml parameter" from DDO file.	Check the AC parameter file again and restart the system.	
50000	FFOutImgPrc	Initialize Error. %1 : Com Initialize Error < %2 >	Failed in initializing COM.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: Error code %2: Method name
50001	FFQCMsgBoxCtrl	LoadImage Open m_QCDataInfo({0}). strStdFilePath For Binary Access Read As #1	An error occurred in reading DDO file (hq).	Check the appropriateness of the data of the DDOFile (.hqFile) and restart DR-ID 800CL.	
50001	FFQCMsgBoxCtrl	LoadImage GetRotateParam({0}): IRet={1}	The data of DDO (INF) are not appropriate.	Check the appropriateness of the data of the DDOFile (INF) and restart DR-ID 800CL.	
50002	FFOutImgPrc	FFSysConfig::Initialize Error < Run_Prc > [LastError=%1] [ErrorCode=%2]	Failed in reading the set values from system settings.	Confirm whether the system settings are set properly in UserUtility and ServiceUtility. If the error is caused by the system, reinstall the system.	%1: GetLastError() return value %2: Error code
50003	FFOutImgPrc	ACCMenuMasterCalc MaskSize Failed nRet=(%1) (%2) < ImgPrcExec >	Failed in calling the method of menu master parameter accessor.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Call return value %2: Name of function error occurred
50003	FFOutImgPrc	ACCMenuMasterGet MaskSize Failed nRet=(%1) (%2) < ImgPrcExec >	Failed in calling the method of menu master parameter accessor.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Call return value %2: Name of function error occurred
50003	FFOutImgPrc	ACCMenuMaster LoadParams Failed nRet=(%1) (%2) < ImgPrcExec >	Failed in calling the method of menu master parameter accessor.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Call return value %2: Name of function error occurred
50003	FFOutImgPrc	ConvertImageProc Parameter Failed IRet=(%1) (%2) < ImgPrcExec >	Failed in converting the image processing parameters.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Call return value %2: Name of function error occurred
50004	FFOutImgPrc	ACCAppImgCreator WSLifeSizeProcGetter Failed (%1) <ImgPrcExec>	Acquiring accessor of CSL image generation (life size composition) image processing common parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name
50004	FFOutImgPrc	ACCAppImgPreProc GammaTblGetter Failed (%1) < ImgPrcExec >	CSL preprocessing facade parameter accessor returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50004	FFOutImgPrc	ACCAppImgProc%1Getter Failed (%1) < ImgPrcExec >	CSL processing facade parameter accessor returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50004	FFOutImgPrc	ACCMenuMasterInitialize Failed (%1) < ImgPrcExec >	Initialization function of menu master parameter accessor returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50004	FFOutImgPrc	ACCMenuMasterSetMaster ParameterToDDO Failed (%1) < ImgPrcExec >	Perpetuation accessor of image processing common parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function

Event	Event Source	Description	Causes	Remedies	Remarks
50004	FFOutImgPrc	ACCMoIdmgProcGetter Failed (%1) < ImgPrcExec >	FCR processing facade parameter accessor returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50004	FFOutImgPrc	BC::Facade Notification Type[%1] Code[%2] Time[%3] Message[%4] < ImgPrcExec >	An error occurs inside the parameter accessor.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Error type %2: Error code %3: Error time and date %4: Internal error information
50004	FFOutImgPrc	CFcRawMake::ExelImageProcess Failed (%1) < ImgPrcExec >	Output DDO file name acquiring function of creating RAW data returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50004	FFOutImgPrc	CFcRawMake::GetOutDICOMFName Failed (%1) < ImgPrcExec >	Output DDO file name acquiring function of creating RAW data returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50004	FFOutImgPrc	CFcRawMake::GetRAWFName Failed (%1) < ImgPrcExec >	RAW file name acquiring function of creating RAW data returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50004	FFOutImgPrc	CFcRawMake::ImgRawMakeInIt Failed (%1) < ImgPrcExec >	Initialization setting common function of creating RAW data returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50004	FFOutImgPrc	CharToBstr Failed (%1) < ImgPrcExec >	Function of converting from C character strings to BSTR type character strings returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50004	FFOutImgPrc	Create Instance Error (%1) <ImgPrcExec>	Instance generation function of parameter accessor returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name
50004	FFOutImgPrc	DOM GetAttributeValue Failed TAG=%1 ATTR=%2 (%3) < ImgPrcExec >	Tag value configuration function of DOM method returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Absolute location path %2: Tag name %3: Name of caller function
50004	FFOutImgPrc	DOM GetSameTagNumber Failed TAG=%1 (%2) < ImgPrcExec >	Function in acquiring the number of same tags for DOM method returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Absolute location path %2: Name of caller function
50004	FFOutImgPrc	DOM GetTagValue Failed TAG=%1 (%2) < ImgPrcExec >	Tag value acquiring function of DOM method returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Absolute location path %2: Name of caller function
50004	FFOutImgPrc	DOM LoadXmlString Failed (%1) < ImgPrcExec >	XML file read function of DOM method returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50004	FFOutImgPrc	DOM RemoveAttribute Failed TAG=%1 ATTR=%2 (%3) < ImgPrcExec >	Deleting attribution function of DOM method returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Absolute location path %2: Attribution name %3: Name of caller function

Event	Event Source	Description	Causes	Remedies	Remarks
50004	FFOutImgPrc	DOM SaveXmlString Failed (%1) < ImgPrcExec >	Saving XML file function of DOM method returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50004	FFOutImgPrc	DOM SetAttribute Failed TAG=%1 ATTR=%2 (%3) < ImgPrcExec >	Attribution value configuration function of DOM method returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Absolute location path %2: Attribution name %3: Name of caller function
50004	FFOutImgPrc	DOM SetTagValue Failed TAG=%1 (%2) < ImgPrcExec >	Tag value configuration function of DOM method returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Absolute location path %2: Name of caller function
50004	FFOutImgPrc	DOM TAG Does Not Exist TAG=%1 (%2) < ImgPrcExec >	Checking tag existence function of DOM method returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Absolute location path %2: Name of caller function
50004	FFOutImgPrc	FCDAppImgCreator WSLifeSize Failed (%1) <ImgPrcExec>	Life size composition facade of long view image returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name
50004	FFOutImgPrc	FCDAppImgPreProc GammaTbl Failed (%1) < ImgPrcExec >	γ table generation processing facade returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50004	FFOutImgPrc	FCDAppImgProc%1 Failed (%1) < ImgPrcExec >	CSL image processing facade returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Distribution destination recognition ("Strg"/"Print") %2: Image type character string
50004	FFOutImgPrc	FCDManualMarginProc Failed (%1) <ImgPrcExec>	Adding margin (manual arrangement) facade of an image returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name
50004	FFOutImgPrc	FCDModImgProc Failed (%1) < ImgPrcExec >	FCR processing control function returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50004	FFOutImgPrc	FCDTrimmingProc Failed (%1) <ImgPrcExec>	Cutting out process (trimming process) of an image returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name
50004	FFOutImgPrc	FCDWriteLosslessJPEG Failed (%1) < ImgPrcExec >	LosslessJPEG compression output facade of RAW data returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50004	FFOutImgPrc	GetIndexOfImagePixel Not Found TAG:image_pixel ATTR=%1 (%2) < ImgPrcExec >	image attribution index value acquiring function of image processing common parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Requesting IN/OUT recognition %2: Name of caller function
50004	FFOutImgPrc	GetValueFromXMLTag Failed TAG=%1:%2 (%3) < ImgPrcExec >	Tag value acquiring function of image processing common parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Absolute location path %2: Tag name/ attribution name %3: Name of caller function

Event	Event Source	Description	Causes	Remedies	Remarks
50004	FFOutImgPrc	PushLUTDataToTag failed (%1) <ImgPrcExec>	DDO tag setting processing function of γ table returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50004	FFOutImgPrc	RemoveXMLTag Failed TAG=%1 (%1) <ImgPrcExec >	Tag value deleting function of image processing common parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Absolute location path %2: Name of caller function
50011	FFOutImgPrc	DICOM ReplaceVR/Push Error <ImgConvReadyDicomDXSt >	Failed in acquiring the character string region.	Restart. If the same phenomenon recurred, reinstall the system.	
50011	FFOutImgPrc	VR Area Get Error <ImgConvReadyDicomSt>	DDO tag replace function returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Function return value
50011	FFOutImgPrc	VR Area Get Error <ImgConvReadyDicomSt>	DDO tag character replace function returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Function return value
50011	FFOutImgPrc	VR Area Get Error <ImgConvReadyDicomSt>	DDO tag character replace function returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Function return value
50012	FFOutImgPrc	DDT Error (DDO = [%1] SOPUID = [%2] AEName = [%3]) <ImgConvDicomSt >	DDO conversion function by SOP class returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: DDO file path %2: SOP Class UID %3: DistributionHost
50012	FFOutImgPrc	DICOM Data GetVR Error (Gr : 0x%1 Er : 0x%2) <DelTrimInfo >	Acquired function of DDO tag returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: GroupID %2: ElementID
50012	FFOutImgPrc	DICOM Data GetVR Error (Gr : 0x%1 Er : 0x%2 Ret : 0x%3) <SetImgInf >	Acquired function of DDO tag returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: GroupID %2: ElementID %3: Function return value
50012	FFOutImgPrc	DICOM Data GetVR Error TAG=(%1,%2) IRet=(%3) (%4) <ImgPrcExec >	Acquired function of DDO tag returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Group number of tag %2: Element number of tag %3: Call return value %4: Name of function error occurred
50012	FFOutImgPrc	DICOM Data SetVR Error TAG=(%1,%2) IRet=(%3) (%4) <ImgPrcExec >	Configuration function of DDO tag returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Group number of tag %2: Element number of tag %3: Call return value %4: Name of function error occurred
50012	FFOutImgPrc	DICOM ReplaceVR/Push Error (error code = %2) <%1 >	DDO tag replace function returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Function return value %2: Name of caller function

Event	Event Source	Description	Causes	Remedies	Remarks
50012	FFOutImgPrc	Parameter Object not found. < %1 >	The return value of pointer acquiring function of sequence data is NULL.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50012	FFOutImgPrc	Parameter ObjectArray not found. < %1 >	NULL is notified to the converted result of SQ tag to the sequence data.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50012	FFOutImgPrc	SaveFile Error IRet=(%1) (%2) < ImgPrcExec >	Failed in saving the DDO.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Call return value %2: Name of function error occurred
50012	FFOutImgPrc	SaveFile Failed File=%1 (%2) < ImgPrcExec >	Saving common function returned an error to DDO file.	Restart. If the same phenomenon recurred, reinstall the system.	%1: DDO file path name %2: Name of caller function
50012	FFOutImgPrc	DICOM ReplaceVR/Push Error < ImgConvAfterDicomSt >	Failed in replacing the DDO tag.	Perform delivery again. If the error is caused by the system, reinstall the system.	
50012	FFOutImgPrc	DICOM GetDICOMData Error < ImgConvAfterDicomSt >	Failed in acquiring DDO.	Perform delivery again. If the error is caused by the system, reinstall the system.	
50013	FFOutImgPrc	GetDICOMData No Data (Gr : 0x%1 Er : 0xXX%2) < ImgFilmCharMake >	Acquired function of DDO tag returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: GroupID %2: ElementID
50020	FFOutImgPrc	Convert SizeCode Error : (%1) [SizeCode=%2] < ExeOutMain >	Value conversion function of image size code before/after trimming to the size code returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name %2: Size code or trimming size code
50020	FFOutImgPrc	Convert SizeCode Error : (%1) [SizeCode=%2] < ExeOutMain >	Character string conversion function of trimming size code returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name %2: Trimming size code
50020	FFOutImgPrc	ConvertSizeCode CharToNum Error. SizeCode=(%1), IRet=(%2)	Value conversion function of size code returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Size code %2: Function return value
50020	FFOutImgPrc	ConvertSizeCode NumToChar Error. SizeCode=(%1), IRet=(%2)	Character string conversion function of size code returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Size code %2: Function return value
50020	FFOutImgPrc	GetImageSize Error : [SizeCode%1] < ExeOutMain >	Acquisition function of pixel/line returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Size code
50020	FFOutImgPrc	GetValueFromXMLTag Failed TAG=%1:%2 IRet=(%3) (%4) < ImgPrcExec >	Failed in acquiring a tag from XML.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Absolute path of XML file %2: Tag name %3: Call return value %4: Name of function error occurred
50020	FFOutImgPrc	Invalid FilmFormatString (%1:%2) < ImgGetImageData >	Energy subtraction processing image type characters were in error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Image data index %2: Image type character string

Event	Event Source	Description	Causes	Remedies	Remarks
50020	FFOutImgPrc	Null or Invalid Parameter(%1) < ExeOutMain >	Notification parameter was in error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name
50020	FFOutImgPrc	S%1 = 0x%1 '%2' Error < ImgFilmCharMake >	Image processed flag value was out of range.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Image processed flag position index %2: Image processed flag value %3: Image processed flag value (character)
50020	FFOutImgPrc	S%1 = 0x%2 Error < ImgFilmCharMake >	Image processed flag value was out of range.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Image processed flag position index %2: Image processed flag value
50020	FFOutImgPrc	Size Code Convert Error (SizeCode = %1)	Value conversion function of size code returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Size code
50020	FFOutImgPrc	CFclmgInf object is null < %s >	The object of image data class is not found.	Perform delivery again. If the error is caused by the system, reinstall the system.	%s: Method name
50021	FFOutImgPrc	OutputJob Impossible Returned Value (0x%1,0x%2) (%3) < ImgPrcExec >	Specifying output processing being acquired was in error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: GroupID %2: ElementID %3: Function name
50021	FFOutImgPrc	OutputJob Object Data Get (%1) Error < ImgConvDicomSt >	Tag acquiring function of output JOB file returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: GroupID
50021	FFOutImgPrc	OutputJob Object Data Get Error (0x%1,0x%2) (%3) < ImgPrcExec >	Tag acquiring function of output JOB file returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: GroupID %2: ElementID %3: Name of caller function
50021	FFOutImgPrc	OutputJob Object Data Get Error (%1,%2) (%3) IRet=(%4) < ImgConvDicomSt >	Failed in acquiring information from the delivery JOB file.	Check the setting parameter. If the error is caused by the system, reinstall the system.	%1: Output JOB tag Function %2: Output JOB tag ID %3: Name of function error occurred %4: Function return value
50030	FFOutImgPrc	[MsxmlWrap] LoadXmlString Error (%1) <ImgPrcExec>	XML file read function of DOM method returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name
50030	FFOutImgPrc	[MsxmlWrap] SaveXmlString Error (%1) <ImgPrcExec>	Saving XML file function of DOM method returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name
50030	FFOutImgPrc	CalculateManualMargin failed (%1) IRet=(%2) <ImgPrcExec>	Parameter acquiring function of margin process returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function %2: Function return value

Event	Event Source	Description	Causes	Remedies	Remarks
50030	FFOutImgPrc	CalculateTrimming failed (%1) IRet=(%2) <ImgPrcExec>	Magnification/reduction ratio calculation function of trimming-related parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function %2: Function return value
50030	FFOutImgPrc	CalculateTrimmingFor1414Film Failed (%1) < ImgPrcExec >	Trimming region calculation function of "14 inch X 14 inch" single print returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	CalculateTrimmingPosition For1414Film Failed (%1) < ImgPrcExec >	Calculation function of "14 inch X 14 inch" film trimming process (cutting out direction of edge of the image) returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	Catch some other Exception (%1) < ImgFilmCharMake >	An exception occurred in the acquiring process of image invert type of the film character.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Process recognition character string
50030	FFOutImgPrc	Catch some other Exception (%1) < ImgPrcExec >	An exception occurred in the image distribution process control function.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of function exception occurred
50030	FFOutImgPrc	Catch some other Exception LastError=(%1) (%2) < ImgPrcExec >	An exception occurred during the process.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Value of exception occurred %2: Name of function error occurred
50030	FFOutImgPrc	CheckDiagnosisImage Failed (%1) < ImgPrcExec >	Determination common function of diagnosis image returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	CoCreateInstance Failed %1 (%2) < ImgPrcExec >	Generation method of instance returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: ID %2: Caller function
50030	FFOutImgPrc	Convert CS/SS error. (error code = 0x%1) < %2 >	Modification function of CS tag and SS tag returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Function return value %2: Name of caller function
50030	FFOutImgPrc	Convert CS/SS including image parameter error. (error code = 0x%1) < %2 >	Modification function of image parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Function return value %2: Name of caller function
50030	FFOutImgPrc	CopyInputImageArea Failed (%1) < ImgPrcExec >	Memory management copying function of input image returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	Create TrimmingProc Parameter Error (%1) <ImgPrcExec>	Generation function of image processing common parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name
50030	FFOutImgPrc	CreateMarginProc XmlPaaram Error (%1) <ImgPrcExec>	Generation function of image processing common parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name
50030	FFOutImgPrc	CreateXML_ ImageCompJPEG Failed (%1) < ImgPrcExec >	Image processing common parameters of LosslessJPEG compression returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function

Event	Event Source	Description	Causes	Remedies	Remarks
50030	FFOutImgPrc	DDOPush Failed (0x%1,0x%2) (%3) <ImgPrcExec >	DDO writing common function returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: GroupID %2: ElementID %3: Name of caller function
50030	FFOutImgPrc	DDOPush Failed Mask Processing Data (0x%1,0x%2) (%3) <ImgPrcExec >	DDO writing common function of writing the mask tag returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: GroupID %2: ElementID %3: Name of caller function
50030	FFOutImgPrc	DOM RemoveTag Failed TAG=%1 (%2) <ImgPrcExec >	Tag deletion function of DOM method returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Absolute location path %2: Name of caller function
50030	FFOutImgPrc	Exception Error (%1) <ImgPrcExec>	An exception occurred in the long-view composition process for life size.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name
50030	FFOutImgPrc	ExecDecisionCSL Failed (%1) <ImgPrcExec >	CSL processing (for storage) execution determination function returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	ExecDecisionFCR Failed (%1) <ImgPrcExec >	FCR processing execution determination function returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	ExecImageCSL%1 Failed (%2) <ImgPrcExec >	CSL processing function returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Distribution destination recognition ("Strg"/"Print") %2: Image type character string
50030	FFOutImgPrc	ExecImageFCR Failed (%1) <ImgPrcExec >	FCR processing function returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	ExecImagePreCSL Failed (%1) <ImgPrcExec >	CSL preprocessing function returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	ExecMaskProceToTag Failed (%1) <ImgPrcExec >	Mask image and DDO tag configuration function returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	FCDMakeMaskImg Failed (%1) <ImgPrcExec >	Mask image generation facade for overlay returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	Get Parameter Failed (Element = [%1] Attribute = [%2]) (%3) <ImgPrcExec>	Acquisition function of image processing common parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: absolute location path %2: Tag name/ attribution name %3: Class and function name
50030	FFOutImgPrc	GetInputImageArea Failed (%1) <ImgPrcExec >	Acquisition function of input image pointer returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	GetInputImageData (%1) <ImgPrcExec >	Acquisition function of input image returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function

Event	Event Source	Description	Causes	Remedies	Remarks
50030	FFOutImgPrc	GetOutputProcessing Failed (%1) < ImgPrcExec >	Acquisition function of specifying output process returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	GetSrcImgArea Error (%1) <ImgPrcExec>	Pointer acquiring function of input image region returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name
50030	FFOutImgPrc	GetVR Error(Gr : 0x%04X Er : 0x%04X) (%1) < ImgPrcExec >	Acquired function of DDO tag returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: GroupID %2: ElementID %3: Name of caller function
50030	FFOutImgPrc	GetXMLExecutableResult Failed (%1) < ImgPrcExec >	Function to acquire the result of whether or not to perform in the image processing common parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	ImageCompJPEGtoRawFile Failed (%1) < ImgPrcExec >	LosslessJPEG compression control function of image data returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	InitializeRawData Failed (%1) < ImgPrcExec >	Initialization function of RAW data returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	MakeRotationInverseBit Failed (%1) < ImgPrcExec >	Creating function of rotation/inversion bit character strings returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	ManualMargin is invalid (%1) Top=(%2) Bottom=(%3) Left=(%4) Right=(%5) <ImgPrcExec>	Calculated result of margin process was in error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function %2: Calculated result margin size (top) %3: Calculated result margin size (bottom) %4: Calculated result margin size (left) %5: Calculated result margin size (right)
50030	FFOutImgPrc	Memory Copy Error (%1) <ImgPrcExec>	Image processed result copying function to the memory region returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name
50030	FFOutImgPrc	PermanentImage ParmtoDDO Failed PathName=%1 (%2) < ImgPrcExec >	DDO perpetuation function of image processing parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: DDO file path name %2: Name of caller function
50030	FFOutImgPrc	PushNormalizedFlag Failed (%1) < ImgPrcExec >	Modification function of standardized flag (0009,XXF2) returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	RemoveDICOMData Failed (0x%1,0x%2) (%3) < ImgPrcExec >	Deletion common function of DDO tag returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: GroupID %2: ElementID %3: Name of caller function
50030	FFOutImgPrc	Set Parameter Failed (%1) <ImgPrcExec>	Saving function of output results for life size composition returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name

Event	Event Source	Description	Causes	Remedies	Remarks
50030	FFOutImgPrc	Set Parameter Failed (Element = [%1] Attribute = [%2]) (%3) <ImgPrcExec>	Configuration function of image processing common parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Absolute location path %2: Tag name/ attribution name %3: Class and function name
50030	FFOutImgPrc	SetImagePixelofBitStored Failed (%1) < ImgPrcExec >	Configuration function of image attribution parameters in image processing common parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	SetImagePixelofFileData Failed (%1:%2) < ImgPrcExec >	Output tag deletion function of image attribution information returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: IN/OUT recognition %2: Name of caller function
50030	FFOutImgPrc	SetImagePixelofRotInverse Failed (%1) < ImgPrcExec >	Rotation/inversion tag configuration function of input file information in image attribution parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	SetValueToXMLTag Failed TAG:<%1><%2> (%3) < ImgPrcExec >	XML value configuration function of image processing common parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Absolute path of the tag %2: Tag name %3: Name of caller function
50030	FFOutImgPrc	SetXMLParameterCSL Failed (%1) < ImgPrcExec >	XML configuration function of CSL processing parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	SetXMLPrmPreCSL Failed (%1) < ImgPrcExec >	Image common parameters configuration function of CSL preprocessing returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	SetXMLProcedureCSL Failed (%1) < ImgPrcExec >	XML configuration function of CSL processing execution condition returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	SetXMLProcedureFCR Failed (%1) < ImgPrcExec >	XML configuration function of FNC processing execution condition returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Name of caller function
50030	FFOutImgPrc	SetXMLProcedureScaleProc Failed (%1) <ImgPrcExec>	Function to set whether or not to execute the distance correction of the image processing common parameters returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Class and function name
50030	FFOutImgPrc	DDT Error (DDO = [%s] SOPUID = [%s]) < ImgConvPrivateLocal >	Failed in converting the tag.	Perform delivery again. If the same phenomenon recurs, check if there is any incorrect part in the definition file created by DicomTagEditTool.	%s: File name %s: SOPClassUID
50100	FFSpooler	DiconDataObject Load failure [GetReadDensity]\nF=%1 L=%2	The tag value of read density does not exist.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number

Event	Event Source	Description	Causes	Remedies	Remarks
50100	FFSpooler	FFGetMinimumOuterSize Notation ByPhysicalImageSize Error [PhysicalImageSizeToSizeCode]\nF=%1 L=%2	Acquisition function of DICOM notation size returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number
50100	FFSpooler	FFGetSizeCode Error [PhysicalImageSizeToSizeCode]\nF=%1 L=%2	Function to convert from the DICOM notation size to the size code returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number
50100	FFSpooler	MakeSizeCodeList Error [GetTrimBySizeCode]\nF=%1 L=%2	List has not been created in the list creation function of size code.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number
50100	FFSpooler	OutputJobFile GetItem(TrimSizeCode) Failed [GetInfo]\nF=%1 L=%2 [OutputID=0x%3]	Failed in acquiring the trimming processed image size code.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number %3: OutputID
50100	FFSpooler	Trimming Size(0007F272) Error [GetTrimBySizeCode]\nF=%1 L=%2	The tag value of cut out size does not exist.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number
50100	FFSpooler	mbstowcs Error \nF=%s L=%d	Failed to convert the character string.	Perform delivery again. If the error is caused by the system, reinstall the system.	"%s: File name %d: Number of lines"
50100	FFSpooler	VR Error \nF=%s L=%d	Failed to reserve the VR data area.	Perform delivery again. If the error is caused by the system, reinstall the system.	"%s: File name %d: Number of lines"
50100	FFSpooler	Index Failed tJobInfo. tpFilmInfo[nFilmNum] \nF=%s L=%d [OutputID=0x%X]	An incorrect ID was given to the film data in the output job data.	Perform delivery again. If the error is caused by the system, reinstall the system.	"%s: File name %d: Number of lines %X: Output job ID"
50100	FFSpooler	Array Index Overflow tJobInfo. tpFilmInfo[nFilmNum] \nF=%s L=%d [OutputID=0x%X]	An incorrect ID was given to the film data in the output job data.	Perform delivery again. If the error is caused by the system, reinstall the system.	"%s: File name %d: Number of lines %X: Output job ID"
50103	FFSpooler	MoveNext Failed. [%1] ErrorCode=%2 F=%3 L=%4	Failed in accessing to the database for output.	Restart the Console and perform delivery again. If the error is caused by the system, reinstall the system.	%1: Name of function error occurred %2: Error code %3: Source file name %4: Source file line number
50103	FFSpooler	GetOperationRS Failed. [%1] ErrorCode=%2 F=%3 L=%4	Failed in accessing to the database for output.	Restart the Console and perform delivery again. If the error is caused by the system, reinstall the system.	%1: Name of function error occurred %2: Error code %3: Source file name %4: Source file line number

Event	Event Source	Description	Causes	Remedies	Remarks
50104	FFSpooler	Catch some other exception [SearchWorkFolder] ErrorCode=%1 \nF=%2 L=%3	An exception occurred.	Confirm the setting parameters. If the error is caused by the system, reinstall the system.	%1: Error code %2: Source file name %3: Source file line number
50104	FFSpooler	Catch some other exception [SelectNot ExistFileOnOutImage] ErrorCode=%1 \nF=%2 L=%3	An exception occurred.	Confirm the setting parameters. If the error is caused by the system, reinstall the system.	%1: Error code %2: Source file name %3: Source file line number
50106	FFSpooler	DistributionHost includes \\ is not allowed [GetDDOFileInfo]\nF=%1 L=%2 [SpotCode=%2]	Separator remained.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number %3: Spot code
50106	FFSpooler	Catch exception [CSpoolProcSR] InfFileName is empty	Failed in retrieving the DDO file name for outputting.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
50106	FFSpooler	Catch exception [CSpoolProcSR] AEName is empty	Failed in acquiring AE name.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
50106	FFSpooler	Catch exception [CSpoolProcSR] PostThreadMessage failed.	Failed in issuing the spool request message.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
50106	FFSpooler	Catch badalloc exception [CSpoolProcSR] Memory allocation error.	Failed in generating the spool request method (for StructuredReport) parameter.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
50106	FFSpooler	Catch exception [CSpoolProcSR] %1	An exception occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: Exception message
50106	FFSpooler	Catch logic_error exception[tSpoolProcSR] ErrorCode=%1 SpotCode=%2 DDOInfo Load Failed [tSpoolProcSR]	Failed in retrieving the DDO file information except for the device information.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: Error code %2: Spot code
50106	FFSpooler	Catch some other exception [tSpoolProcSR] ErrorCode=%1 SpotCode=%1	An exception occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: Error code %2: Spot code
50106	FFSpooler	Catch logic_error exception [tSpoolProcSR] ErrorCode=%1 SpotCode=%2 DDOInfo is null	When adding a new record for StructuredReport to the OutputDB, failed in retrieving a pointer to the structure for DDO object.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: Error code %2: Spot code

Event	Event Source	Description	Causes	Remedies	Remarks
50106	FFSpooler	Catch logic_error exception [tSpoolProcSR] ErrorCode=%1 SpotCode=%2 AddNewRequestRecord failed.	When adding a new record for StructuredReport to the OutputDB, failed in adding a new record to the Request table.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: Error code %2: Spot code
50106	FFSpooler	Catch logic_error exception [tSpoolProcSR] ErrorCode=%1 SpotCode=%2 AddNewOperationRecord failed.	When adding a new record for StructuredReport to the OutputDB, failed in adding a new record to the Operation table.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: Error code %2: Spot code
50106	FFSpooler	Catch logic_error exception [tSpoolProcSR] ErrorCode=%1 SpotCode=%2 AddNewOutImageRecord failed.	When adding a new record for StructuredReport to the OutputDB, failed in adding a new record to the OutImage table.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: Error code %2: Spot code
50106	FFSpooler	Catch runtime exception. [SetReportFileNameToJob] Parameter(s) is null.	When retrieving the name of the setting file for Report and setting it to a JOB, NULL was set to any one of the parameters (AE title, Transfer syntax, Que management object, or Dispatch pointer of the JOB).	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: Spot code
50106	FFSpooler	Catch runtime exception. [SetReportFileNameToJob] SafeArrayGetElement failed. hr=%1	Failed in retrieving the leading element of the Report setting file name storage array.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: reportFileName (Name of the Report setting file)
50106	FFSpooler	DDO Load failed. [ExistsOutputHost] %1	Failed in reading the DDO file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: DDO file name
50106	FFSpooler	Catch runtime exception [AddNewOperationRecord] GetOperationRecordSet failed. ErrorCode=%1 SpotCode=%2	Failed in retrieving the Output ID from a newly added or already existing record.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: Error code %2: Spot code
50110	FFSpooler	BackupOrRestore RetryDDO Failed [CopyFile] \nF=%s L=%d [OutputID=0x%X]	Failed to copy the DDO file for backup or restore.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	%s: File name %d: Number of lines %X: Output job ID
50113	FFSpooler	Catch some other exception [tNotifyUpdateImage StatusResult]\n ErrorCode=%1 \nF=%2 L=%3]	An exception occurred in ImageStatus updating result notification process.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Error code %2: Source file name %3: Source file line number

Event	Event Source	Description	Causes	Remedies	Remarks
50113	FFSpooler	Catch some other exception [tSetCommitProc CompleteAfter]\n\nErrorCode=0x%1 \nF=%2 L=%3	An exception occurred in completion processing of commitment process.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Error code %2: Source file name %3: Source file line number
50113	FFSpooler	Catch some other exception [tSetOutputProc CompleteAfter]\n\nErrorCode=0x%1 \nF=%2 L=%3	An exception occurred in completion processing of output process.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Error code %2: Source file name %3: Source file line number
50113	FFSpooler	Not Found Operation Record [tSetOutputProc CompleteAfter]\n\nF=%1 L=%2 [RequestID=%3]	No record is found in Operation recordset.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number %3: OutputID
50113	FFSpooler	Not Found OutImage Record [tSetOutputProc CompleteAfter]\n\nF=%1 L=%2 [RequestID=%3]	No record is found in recordset.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number %3: RequestID
50113	FFSpooler	Not Found Queue [tSetOutputProc CompleteAfter]\n\nF=%1 L=%2 [OutputID=%3]	Failed in searching the DISPATCH pointer of the output JOB object.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number %3: OutputID
50113	FFSpooler	Not Found Queue [tSetOutputProc CompleteAfter]\n\nF=%1 L=%2 [OutputID=0x%3]	Failed in deleting an OutputJob file for output.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number %3: OutputID
50113	FFSpooler	Operation Recordset Not Found [tSetOutputProc CompleteAfter]\n\nF=%1 L=%2 [OutputID=0x%3]	No record is found in Operation recordset.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number %3: OutputID
50113	FFSpooler	TDDOEditData Copy Failed [CopyDDOFortData] F=%1 L=%2 [Group=%3, Element=%4]	Failed in copying DDO tags.	Confirm the setting parameters. If the error is caused by the system, reinstall the system.	%1: Source file name %2: Source file line number %3: DDO tag Group %4: DDO tag Element
50113	FFSpooler	SetMaxFreeTrimming SizeToDDO Error. [SetMaxFreeTrimming SizeToDDO] F=%1 L=%2 [IRet=%3]	Failed in setting the trimming region to the maximum size in composition original images.	Confirm that the trimming region is added properly to the composition original image. If the error is caused by the system, reinstall the system.	%1: Source file name %2: Source file line number %3: Function return value
50113	FFSpooler	LoadFile() Failed. [GetMaxFreeTrimmingSize] [DDOFilePath=%1]	Failed in reading the DDO files of composition original images.	Perform composition and delivery again. If the error is caused by the system, reinstall the system.	%1: Path of composition original image DDO

Event	Event Source	Description	Causes	Remedies	Remarks
50113	FFSpooler	SetFreeTrimmingSizeToDDO Error. [SetFreeTrimmingSizeToDDO] F=%1 L=%2 [IRet=%3]	Failed in setting the trimming region in DDO tags.	Perform delivery again. If the error is caused by the system, reinstall the system.	%1: Source file name %2: Source file line number %3: Function return value
50113	FFSpooler	Setting MagRate(0029,xx34) is failed. [SetLifesizeMagRate]	Failed in setting the maximum rate tag (0029,xx34).	Perform delivery again. If the error is caused by the system, reinstall the system.	
50114	FFOutImgPrc	ImgFilmCharMake--Invalid Element Number (num = %2) < ImgFilmCharMake >	Acquisition function of DDO sequence tag size returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Acquired size
50115	FFSpooler	Not Found Queue [tSetCommitProc CompleteAfter]\nF=%1 L=%2 [OutputID=%3]	Failed in searching the DISPATCH pointer of the output JOB object.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number %3: OutputID
50115	FFSpooler	Not Found Queue [tSetCommitProc CompleteAfter]\nF=%1 L=%2 [OutputID=0x%3]	Failed in deleting the applicable DISPATCH pointer from the queue list.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number %3: OutputID
50115	FFSpooler	Operation Recordset Not Found [tSetCommitProc CompleteAfter]\nF=%1 L=%2 [OutputID=0x%3]	No record is found in recordset.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number %3: OutputID
50116	FFSpooler	Invalid Parameter [CNotifyUpdateImage StatusResult]\nF=%1 L=%2 [OutputID=%2]	OutputID value was in error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number %3: OutputID
50116	FFSpooler	No Memory [CNotifyUpdateImage StatusResult]\nF=%1 L=%2	NULL value was notified to ImageStatus updating result notification message.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number
50116	FFSpooler	PostThreadMessage Failed [CNotifyUpdateImage StatusResult]\nF=%1 L=%2	PostThreadMessage function returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number
50117	FFOutImgPrc	DICOM Data GetVR Error (Gr : %1 Er : %2) < LUTProc >	Failed in acquiring the DDO tag.	Check the setting parameter. If the error is caused by the system, reinstall the system.	%1: DDO tag Group %2: DDO tag Element
50117	FFOutImgPrc	Area Get Error < LUTProc >	Failed in securing a memory region for LUT.	Perform the delivery again. If the error is caused by the system, reinstall the system.	
50117	FFOutImgPrc	Catch some other Exception ErrCode = %1 <LUTProc>	An exception has occurred.	Perform the delivery again. If the error is caused by the system, reinstall the system.	%1: Error code
50117	FFOutImgPrc	ModLUTGamma Error <LUTProc>	Failed in securing a memory region for tone tables.	Perform the delivery again. If the error is caused by the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
50123	FFSpooler	Catch some other exception [tMainErrQueClearAfter]\n\nErrorCode=%1 \nF=%2 L=%3	An exception occurred in output completion waiting queue execution process.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Error code %2: Source file name %3: Source file line number
50124	FFSpooler	SetNetDevInfo Failed [FFNetDBGetMask Processing]\n\nErrorCode=0x%1 \nF=%2 L=%3	FFNetDBGetMaskProcessing function returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number
50300	FFDicomSC	ColInitialize Error [tThreadProc] \nF=%s L=%d	Failed in ColInitialize.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	%s: File name %d: Number of lines
50301	FFDicomSC	\nF=%s L=%d LParam is null.	The parameters have not been determined.	Check the setting parameter. If the error is caused by the system, reinstall the DR-ID 800CL.	%s: File name %d: Number of lines
50302	FFDicomSC	\nF=%s L=%d LParam is null.	The parameters have not been determined.	Check the setting parameter. If the error is caused by the system, reinstall the DR-ID 800CL.	%s: File name %d: Number of lines
50303	FFDicomSC	\nF=%s L=%d LParam is null.	The parameters have not been determined.	Check the setting parameter. If the error is caused by the system, reinstall the DR-ID 800CL.	%s: File name %d: Number of lines
50600		[ME50600] Failed in initialization of media control.	Failed in initialization of media control.	Press the button below.	
50601		[ME50601] Failed in media mounting process.	Failed in media mounting process.	Press the button below.	
50602		[ME50602] Failed in notifying the conditions of a medium.	Failed in notifying the conditions of a medium.	Press the button below.	
50603		[ME50603] Failed in requesting to store images in a medium.	Failed in requesting to store images in a medium.	Press the button below.	
50610		[ME50610] Failed in creating a folder.	Failed in creating a folder.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50611		[ME50611] Failed in changing the connection destination for media as the specified drive could not be accessed.	Failed in changing the connection destination for media as the specified drive could not be accessed.	Select a connection destination for media again.	
50612		[ME50612] Failed in acquiring a study from a medium.	Failed in acquiring a study from a medium.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
50613		[ME50613] Failed in initialization of the media list.	Failed in initialization of the media list.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50614		[ME50614] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50615		[ME50615] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50616		[ME50616] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50617		[ME50617] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50618		[ME50618] Failed in checking images.	Failed in checking images.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50619		[ME50619] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50620		[ME50620] Failed in updating the study conditions/image conditions.	Failed in updating the study conditions/image conditions.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50621		[ME50621] Failed in customizing a media list.	Failed in customizing a media list.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50622		[ME50622] Failed in setting a distribution code	Failed in setting a distribution code	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50623		[ME50623] Failed in media mounting process. The mounting process will be performed in the originally connected destination.	Failed in media mounting process. The mounting process will be performed in the originally connected destination.	Change the connection destination for media and try again.	
50624		[ME50624] Failed in media mounting process.	Failed in media mounting process.	Change the connection destination for media and try again.	
50625		[ME50625] Failed in changing the connection destination for media.	Failed in changing the connection destination for media.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50626		[ME50626] Failed in media unmounting process.	Failed in media unmounting process.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
50627		[ME50627] Failed in information acquisition processing for mounting a medium.	Failed in information acquisition processing for mounting a medium.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50628		[ME50628] Failed in acquiring a study from a medium.	Failed in acquiring a study from a medium.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50629		[ME50629] Failed in delivery processing.	Failed in delivery processing.	Wait for a while and try again.	
50630		[ME50630] Failed in accessing the data base.	Failed in accessing the data base.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50631		[ME50631] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50632		[ME50632] Failed in acquiring a host name.	Failed in acquiring a host name.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50633		[ME50633] Failed in acquiring device information.	Failed in acquiring device information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50634		[ME50634] Failed in acquiring screen information.	Failed in acquiring screen information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50635		[ME50635] Failed in page forward processing.	Failed in page forward processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50636		[ME50636] Failed in page backward processing.	Failed in page backward processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50637		[ME50637] Failed in accessing the data base.	Failed in accessing the data base.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50638		[ME50638] Failed in obtaining a list of distribution codes.	Failed in obtaining a list of distribution codes.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50639		[ME50639] Failed in mounting media.	Failed in mounting media.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50640		[ME50640] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50641		[ME50641] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
50642		[ME50642] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50643		[ME50643] Failed in acquiring free space information.	Failed in acquiring free space information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50644		[ME50644] Failed in acquiring drive information.	Failed in acquiring drive information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50645		[ME50645] Failed in displaying process of a storage folder selecting dialog.	Failed in displaying process of a storage folder selecting dialog.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50646		[ME50646] Failed in displaying a media list customize dialog.	Failed in displaying a media list customize dialog.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50647		[ME50647] Failed in displaying a progress dialog.	Failed in displaying a progress dialog.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50648		[ME50648] Failed in displaying a distribution code selecting dialog.	Failed in displaying a distribution code selecting dialog.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50649		[ME50649] Failed in displaying a medium selecting dialog.	Failed in displaying a medium selecting dialog.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50650		[ME50650] Failed in checking the available characters.	Failed in checking the available characters.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50651		[ME50651] Failed in device auto recognition processing.	Failed in device auto recognition processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50652		[ME50652] Failed in writing registry information.	Failed in writing registry information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50653		[ME50653] Failed in changing the display position.	Failed in changing the display position.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50654		[ME50654] Failed in writing on a medium.	The mounted media was removed, and the process to write into the media failed.	Remove the media after unmount it. Reconnect the media and try the study output again.	
50670		[ME50670] Failed in checking images.	Failed in checking images.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
50671		[ME50671] Failed in acquiring image information.	Failed in acquiring image information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50672		[ME50672] Image information does not exist.	Image information does not exist.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50673		[ME50673] There is no study that can be created.	There is no study that can be created.	Change the target study and try again.	
50674		[ME50674] Failed in acquiring screen information.	Failed in acquiring screen information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50675		[ME50675] There is no data to write.	There is no data to write.	Change the target study and try again.	
50676		[ME50676] An error occurred while verifying.	An error occurred while verifying.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50677		[ME50677] An error occurred while comparing.	An error occurred while comparing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50678		[ME50678] An IO error occurred against the drive.	An IO error occurred against the drive.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50679		[ME50679] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50681		[ME50681] Failed in checking free space.	Failed in checking free space.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50682		[ME50682] Failed in selecting a storage folder.	Failed in selecting a storage folder.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50684		[ME50684] Failed in writing a medium.	Failed in writing a medium.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50685		[ME50685] Failed in image processing.	Failed in image processing.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50686		[ME50686] Failed in generating a DICOM file.	Failed in generating a DICOM file.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50687		[ME50687] Failed in generating a media image.	Failed in generating a media image.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
50688		[ME50688] A program error has been detected.	A program error has been detected.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50689		[ME50689] Failed in acquiring DICOM tag information.	Failed in acquiring DICOM tag information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50690		[ME50690] Failed in checking available characters.	Failed in checking available characters.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50691		[ME50691] Failed in acquiring a host name.	Failed in acquiring a host name.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50692		[ME50692] Failed in accessing a definition file.	Failed in accessing a definition file.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
50693		[ME50693] Failed in acquiring device information.	Failed in acquiring device information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
51300		[MQ51300] Measurement processing cannot be implemented.	Measurement processing cannot be implemented.	Check that the images are entered.	
51301		[MQ51301] The hard disk is full.	The hard disk is full.	Increase the free hard disk space and then retry operation.	
51303		[MQ51303] Measurement processing cannot be implemented.	Measurement processing cannot be implemented.	Use only the images from the same reader	
51304		[MQ51304] Measurement processing cannot be implemented.	Measurement processing cannot be implemented.	Check that three images have been entered.	
51305		[MQ51305] Measurement processing cannot be implemented.	Measurement processing cannot be implemented.	Check the size of the 1shot Phantom image.	
51306		[MQ51306] Input values are illegal.	Input values are illegal.	Input a correct value.	
51307		[MQ51307] Input values are illegal.	Input values are illegal.	Input a correct value.	
51308		[MQ51308] Input values are illegal.	Input values are illegal.	Input a correct value.	
51309		[MQ51309] Input values are illegal.	Input values are illegal.	Input a correct value.	
51310		[MQ51310] Image data storage processing cannot be implemented.	Image data storage processing cannot be implemented.	When save processing is performed, check that images have been entered.	

Event	Event Source	Description	Causes	Remedies	Remarks
51311		[MQ51311] Measurement processing cannot be implemented.	Measurement processing cannot be implemented.	Reset the phantom position to a correct position and expose again.	
51312		[MQ51312] Failed in image output.	Failed in image output.	Select an image that can be output.	
51313		[MQ51313] Input values are illegal.	Input values are illegal.	Input a correct value.	
51314		[MQ51314] Input values are illegal.	Input values are illegal.	Input a correct value.	
51315		[MQ51315] Input values are illegal.	Input values are illegal.	Input a correct value.	
51316		[MQ51316] Input values are illegal.	Input values are illegal.	Input a correct value.	
51317		[MQ51317] Input values are illegal.	Input values are illegal.	Input a correct value.	
51318		[MQ51318] Input values are illegal.	Input values are illegal.	Input a correct value.	
51319		[MQ51319] Input values are illegal.	Input values are illegal.	Input a correct value.	
51320		[MQ51320] Failed in accessing image files.	Failed in accessing image files.	Click the close button on the QC execution window.	
51321		[MQ51321] Failed in accessing the database. [ReaderQC]	Failed in accessing the database. [ReaderQC]	Click the close button on the QC execution window.	
51322		[MQ51322] Failed in data storage processing.	Failed in data storage processing.	Click the close button on the QC execution window.	
51323		[MQ51323] An error occurred.	An error occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
51324		[MQ51324] Measurement processing cannot be implemented.	Measurement processing cannot be implemented.	Use only images with a same reading density.	
51325		[MQ51325] The image is illegal.	The image is illegal.	Reset the phantom position to a correct position and expose again.	
51326		[MQ51326] Measurement processing cannot be implemented.	Measurement processing cannot be implemented.	Confirm if the specified reader has been registered.	
51327		[MQ51327] Image with unsupported reading density is included.	Image with unsupported reading density is included.	Select an image with the designated reading density.	
51328		[MQ51328] Images from more than one Image Reader exist.	Images from more than one Image Reader exist.	Acquire images from the same Image Reader.	

Event	Event Source	Description	Causes	Remedies	Remarks
51329		[MQ51329] Exposure submenu not for QC tests is included.	Exposure submenu not for QC tests is included.	Select the specified exposure menu for QC.	
51330		[MQ51330] Image with the unsupported size for QC test is included.	Image with the unsupported size for QC test is included.	Expose with the specified image size.	
51331		[MQ51331] Cannot obtain data on the exposed images.	Cannot obtain data on the exposed images.	Images are read in for all displayed menus.	
51332		[MQ51332] Failed to initialize the system.	Failed to initialize the system.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
51333		[MQ51333] Failed to access the definition file.	Failed to access the definition file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
51334		[MQ51334] Failed to access the registry information.	Failed to access the registry information.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
51335		[MQ51335] Failed to access the database.[%s]	Failed to access the database.[%s]	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
51337		[MQ51337] Failed to obtain the information on the Image Reader.	Failed to obtain the information on the Image Reader.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
51338		[MQ51338] A required image is missing.	A required image is missing.	Expose the images if there are not exposed images.	
51339		[MQ51339] An error occurred when calling the QC function.	An error occurred when calling the QC function.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
51340		[MQ51340] An error occurred.	An error occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
51341		[MQ51341] Multiple exposure menus are included.	Multiple exposure menus are included.	Select only 1 specified study menu.	
51342		[MQ51342] An exposure menu not for QC test is included.	An exposure menu not for QC test is included.	Select only 1 specified study menu.	
51343		[MQ51343] The exposure menu includes an improper submenu.	The exposure menu includes an improper submenu.	Register the specified exposure menu with the study menu.	
51344		[MQ51344] Proper exposure submenus are not listed (too many).	Proper exposure submenus are not listed (too many).	Register the specified exposure menu with the study menu.	

Event	Event Source	Description	Causes	Remedies	Remarks
51345		[MQ51345] Proper exposure submenus are not listed (too few).	Proper exposure submenus are not listed (too few).	Register the specified exposure menu with the study menu.	
51346		[MQ51346] No exposure submenu information is included.	No exposure submenu information is included.	Select the specified study menu and perform QC.	
51347		[MQ51347] Same IP is used multiple times.	Same IP is used multiple times.	Use multiple different IP.	
51348		[MQ51348] Incorrect exposure menu is selected.	Incorrect exposure menu is selected.	Select the same menu or end the study and start again from the beginning.	
51349		[MQ51349] QC test cannot be performed.	QC test cannot be performed.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
51350		[MQ51350] Failed to access the database. [MammoQC]	Failed to access the database. [MammoQC]	Click the close button on the QC execution window.	
51351		[MQ51351] Failed to access the database. [QCItems]	Failed to access the database. [QCItems]	Click the close button on the QC execution window.	
51352		[MQ51352] Input value is incorrect.	Input value is incorrect.	Input a correct value.	
51353		[MQ51353] Input value is incorrect.	Input value is incorrect.	Check the exposure conditions and expose again/calculate again.	
51354		[MQ51354] Input value is incorrect.	Input value is incorrect.	Check the phantom position and expose again/calculate again.	
51355		[MQ51355] Some items have not yet been input.	Some items have not yet been input.	Check and input the exposure conditions (%s).	
51356		[MQ51356] Some items have not yet been input.	Some items have not yet been input.	Enter %s of the %s tab.	
51357		[MQ51357] Cannot perform measurement.	Cannot perform measurement.	Check the exposure conditions and expose again/calculate again.	
51358		[MQ51358] Image is incorrect.	Image is incorrect.	Check the phantom position and the exposure conditions and expose again/calculate again.	
51359		[MQ51359] Failed in obtaining data from the image information file.	Failed in obtaining data from the image information file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
51360		[MQ51360] Failed to display the image.	Failed to display the image.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
51361		[MQ51361] Max. (min.) criteria value for %s is incorrect.	Max. (min.) criteria value for %s is incorrect.	Check the baseline value or the criteria and set again.	

Event	Event Source	Description	Causes	Remedies	Remarks
51362		[MQ51362] The input value is invalid.	The value set to the initial setting is out of range.	Set the value to the initial setting in range.	
51363		[MQ51363] Fail/Pass is not specified.	Fail/Pass is not specified.	Specify the Fail/Pass.	
51364		[MQ51364] Input value is incorrect.	Input value is incorrect.	Input a correct value.	
51365		[MQ51365] Input value is incorrect.	Input value is incorrect.	Input a correct value.	
51366		[MQ51366] Input value is incorrect.	Input value is incorrect.	Input a correct value.	
51367		[MQ51367] Input value is incorrect.	Input value is incorrect.	Input a correct value.	
51368		[MQ51368] Some items have not yet been input.	Some items have not yet been input.	Enter the user input items.	
51369		[MQ51369] Some items have not yet been input.	Some items have not yet been input.	Enter the %s.	
51370		[MQ51370] Input value is incorrect.	Input value is incorrect.	Input a correct value.	
51371		[MQ51371] Cannot perform measurement.	Cannot perform measurement.	Check the image size of the input image.	
51372		[MQ51372] Input value is incorrect.	Input value is incorrect.	Input a correct value.	
51373		[MQ51373] Input value is incorrect.	Input value is incorrect.	Input a correct value.	
51374		[MQ51374] Input value is incorrect.	Input value is incorrect.	Input a correct value.	
51375		[MQ51375] Input value is incorrect.	Input value is incorrect.	Input a correct value.	
51376		[MQ51376] Failed to obtain a baseline value.	Failed to obtain a baseline value.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
51377		[MQ51377] Cannot save the test result.	Cannot save the test result.	Check the user input contents and perform automatic calculation.	
51378		[MQ51378] Cannot save the test result.	Cannot save the test result.	Check the user input contents.	
51379		[MQ51379] Cannot save the test result.	Cannot save the test result.	Perform automatic calculation.	
51380		[MQ51380] Max. criteria value for %s is incorrect.	Max. criteria value for %s is incorrect.	Check the baseline value or the criteria and set again.	
51381		[MQ51381] Min. criteria value for %s is incorrect.	Min. criteria value for %s is incorrect.	Check the baseline value or the criteria and set again.	

Event	Event Source	Description	Causes	Remedies	Remarks
51382		[MQ51382] Cannot perform measurement.	Cannot perform measurement.	Check the input number.	
51383		[MQ51383] Cannot perform measurement.	Cannot perform measurement.	Set the CNR baseline value correctly.	
51384		[MQ51384] Cannot obtain data of the images captured by exposure.	Cannot obtain data of the images captured by exposure.	Images are read in for all displayed menus.	
51385		[MQ51385] Input value is incorrect.	Input value is incorrect.	Input a correct value.	
51400		[MQ51400] Failed to access the database. [%s]	Failed to access the database. [%s]	Click the close button on the QC execution window.	
51401		[MQ51401] IP with the same number is used multiple times.	IP with the same number is used multiple times.	Reread the image so there is no duplicate IP number.	
51402		[MQ51402] Value of the registry information is abnormal.	Value of the registry information is abnormal.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
51403		[MQ51403] Failed in deletion processing.	Failed in deletion processing.	Delete again.	
51404		[MQ51404] X-ray device name is invalid.	X-ray device name is invalid.	Change the X-ray device name in the system settings.	
51405		[MQ51405] Conditions for QC implementation are not satisfied.	Conditions for QC implementation are not satisfied.	Check the QC implementation conditions.	
51406		[MQ51406] If the number of menus exceeds 32, Mammo QC cannot be executed.	If the number of menus exceeds 32, Mammo QC cannot be executed.	Check the QC menu number.	
51600		[ME51600] Failed in mounting the media.	Failed in mounting the media.	Ensure that %s media has been set and connected to a network.	
51601		[ME51601] The free space of the media is running out.	The free space of the media is running out.	Replace the media or specify another folder.	
51610		[ME51610] The specified folder does not exist.	The specified folder does not exist.	Select a folder again.	
51615		[ME51615] Insert a disk to the drive. The mounting process will be performed in the originally connected destination.	The disk is not inserted to the drive.	Insert a disk to the drive. The mounting process will be performed in the originally connected destination.	
51616		[ME51616] A delivery destination does not exist in the specified distribution code.	A delivery destination does not exist in the specified distribution code.	Select a distribution code again.	

Event	Event Source	Description	Causes	Remedies	Remarks
51617		[ME51617] The maximum number of input characters has been exceeded for the volume label.	The maximum number of input characters has been exceeded for the volume label.	*Up to 16 characters can be entered for a volume label. Enter correctly.	
51618		[ME51618] Input of volume label is invalid.	Input of volume label is invalid.	Enter correctly.	
51672		[ME51672] No media is inserted.	No media is inserted.	Insert media.	
51673		[ME51673] The inserted medium is not blank.	The inserted medium is not blank.	Insert a blank medium or specify an unused folder.	
51674		[ME51674] Disk space is insufficient.	Disk space is insufficient.	Replace the disk with high-capacity media.	
51675		[ME51675] The maximum number of input characters has been exceeded for a file name.	The maximum number of input characters has been exceeded for a file name.	*Up to 4 characters can be entered for a file name. Enter correctly.	
51676		[ME51676] Input of file name is invalid.	Input of file name is invalid.	*The file name contains invalid characters. Enter correctly.	
51678		[ME51678] The destination folder for storage is not empty.	The destination folder for storage is not empty.	Select an empty folder.	
52100	FFSpooler	FFGetSizeCode Failed. [MakePermitted SizeCodeList]\nF=%1 L=%2 Gr=%3, EI=%4	Conversion function to the size code returned an error.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number %3: Size code %4: DDU group ID %5: DDU element ID
52100	FFSpooler	Operation Table Invalid Data[NotifyUpdateImageStatusResult]\nF=%1 L=%2 RequestID=%2	No record is found in recordset.	Restart. If the same phenomenon recurred, reinstall the system.	%1: Source file name %2: Source file line number %3: RequestID
52103	FFQCMsgBoxCtrl	SetCaption GetStrDBString2: {0}	An error has occurred at the time of database reading/writing.	Check that the file "Fujifilm\IIP\Param\MammoQC.mdb" exists at the database and restart DR-ID 800CL.	
52105		[MQ52105] Failed to access the definition file (ID change required).	Failed to access the definition file.	Click the button to exit the system. Contact maintenance personnel.	
52106	FFSpooler	remove DDOfile Failed [tSpoolProcSR] [ImageID=%1]	Failed in deleting the DDO file while canceling the SR output request due to the failure of the device information retrieval.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	%1: ImageID
52106		[MQ52106] Failed to access the database. (ID change required) [MammoQC]	Failed to access the database.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
52107		[MQ52107] Image with unsupported reading density is included (ID change required).	Image with unsupported reading density is included.	Select a suitable menu and expose.	
52110	FFQCMsgBoxCtrl	cmmOK_Click Rollback {0} : {1}	An error has occurred at the time of database reading/writing.	Check that the file "Fujifilm\IIP\Param\MammoQC.mdb" exists at the database and restart DR-ID 800CL.	
52110	FFQCMsgBoxCtrl	InitValue GetXRayDevInfo({0}, m_ tXRayUnit): IRet = {1}	An error has occurred at the time of database reading/writing.	Check that the file "Fujifilm\IIP\Param\MammoQC.mdb" exists at the database and restart DR-ID 800CL.	
52113	FFSpooler	Array Index Overflow tJobInfo. tpFilmInfo[nFilmNum] \ nF=%s L=%d	An incorrect ID was given to the film data in the output job data.	Perform delivery again. If the error is caused by the system, reinstall the system.	%s: File name %d: Number of lines
53600		[ME53600] Required hard disk space is insufficient.	Required hard disk space is insufficient.	Check the free space of the hard disk.	
53601		[ME53601] Disk space is insufficient.	Disk space is insufficient.	Check the free space of the disk.	
53611		[ME53611] Failed in obtaining a study from the media. The study contains an image with invalid image processing conditions.	Failed in obtaining a study from the media. The study contains an image with invalid image processing conditions.	Check the image processing parameters. If the error is caused by the system, reinstall the DR-ID 800CL.	
54207		[MQ54207] The period exceeds the allowable range.	The period exceeds the allowable range.	Input the date again.	
54208		[MQ54208] Out of disk space.	Out of disk space.	Change the save destination and save again.	
54209		[MQ54209] Cannot display the detailed graph for the selected item.	Cannot display the detailed graph for the selected item.	Use full display mode.	
54210		[MQ54210] Cannot display the exposure conditions.	Cannot display the exposure conditions.	Check the existence of exposure conditions.	
54215		[MQ54215] Failed in writing a file.	Failed in writing a file.	Check the output media status.	
54308		[MQ54308] Some items have not yet been input.	Some items have not yet been input.	Check the input item.	
54309		[MQ54309] The study result cannot be stored.	The study result cannot be stored.	Input the study result.	
54310		[MQ54310] Some items have not yet been input.	Some items have not yet been input.	Enter the user input items.	
54312		[MQ54312] Image sharpness is illegal.	Image sharpness is illegal.	The phantom is inclined against IP. Set the phantom correctly and expose again.	

Event	Event Source	Description	Causes	Remedies	Remarks
54327		[MQ54327] Some items have not yet been input.	Some items have not yet been input.	Enter the %s.	
54332		[MQ54332] Value outside the specified range is input.	Value outside the specified range is input.	Enter a value greater than %s.	
54333		[MQ54333] Max. criteria value for %s is incorrect.	Max. criteria value for %s is incorrect.	Check the baseline value or the criteria and set again.	
54334		[MQ54334] Min criteria value for %s is incorrect.	Min criteria value for %s is incorrect.	Check the baseline value or the criteria and set again.	
54335		[MQ54335] The latest test result is not saved.	The latest test result is not saved.	Store the study result.	
54337		[MQ54337] No baseline value is input.	No baseline value is input.	Create a new baseline values.	
54338		[MQ54338] Delivery setting was not made on the Console.	Delivery setting was not made on the Console.	Perform output again after implementing the delivery setting with DR-ID 800CL.	
54339		[MQ54339] The boxes for targets and filters are not checked.	The boxes for targets and filters are not checked.	Apply at least one check mark.	
54403		[MQ54403] Failed to access the database. [%s]	Failed to access the database.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54613		[ME54613] The media management file is for read only.	The media management file is for read only.	Confirm contents of the media.	
54616		[ME54616] This media is not allowed by this system to write data.	This media is not allowed by this system to write data.	Confirm contents of the system setup database.	
54617		[ME54617] This is not an operating media.	This is not an operating media.	Confirm contents of the media.	
54625		[ME54625] Power interruption was detected.	Power interruption was detected.	Shut down the system immediately.	
54626		[ME54626] No media management files exist.	No media management files exist.	* Folder that is not subject to reconfiguration may be selected. Check the contents of the media.	
54627		[ME54627] The media management file is for read only or write-protected.	The media management file is for read only or write-protected.	Confirm contents of the media.	
54628		[ME54628] The file cannot be handled because it is unformatted or illegally formatted.	The file cannot be handled because it is unformatted or illegally formatted.	Confirm contents of the media.	
54640	SKBLauncher	Not Found Bmp folder	There is no BMP folder.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
54640	SKBLauncher	Not Found SKBOffU.bmp or SKBOffD.bmp	There is no BMP file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	Not Found SKBOnU.bmp SKBOnD.bmp	There is no BMP file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	Not Found SysConfig.mdb	There is no SysConfig.mdb.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	Faild DB Connect	Failed in connecting to database.	Restart the PC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	Not Found KEY	There is no received KEY string in SysConfig.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	Not Found USB Drive	Cannot find USB drive.	Confirm whether the USB is available for DR-ID 800CL and whether the settings for MediaStorage is correct.	
54640	SKBLauncher	BootEXE() Exception error	An exception occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	IsUnLockUSB() Exception error	An exception occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	DeleteAllXMLFile() Exception error	An exception occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	ChangeDrive() Exception error	An exception occurred.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	Not Found NetConfig.mdb	There is no NetConfig.mdb.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	Faild DB Connect	Failed in connecting to database.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	Faild FFGetHostname	Failed in FFGetHostname.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	Abnormal Termination Get media registry	Failed in acquiring the registry "HKEY_LOCAL_MACHINE\SOFTWARE\FujiFilm\IIP\MediaDrive".	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	Failed GetRecordCount	Failed in acquiring records from MediaDB.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
54640	SKBLauncher	Failed Connect MediaDB	Failed in connecting to MediaDB.	Restart the PC. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	Not Found Bitmap Path	There is no BMP folder.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	SKBOnButton Bitmap Set Error	There is no BMP file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	SKBOffButton Bitmap Set Error	There is no BMP file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	USBPwButton Bitmap Set Error	There is no BMP file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	SKBOpenButton Bitmap Set Error	There is no BMP file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	SKBRisUSBPw Bitmap Set Error	There is no BMP file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	SKBHotPlug Bitmap Set Error	There is no BMP file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
54640	SKBLauncher	SKBHotPlug Bitmap Set Error	There is no BMP file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	DispQC m_clsQCDicomCommon. UpdateFolderPath(inputPath,nDicomArray)	An error has occurred at the time of DDO files reading/writing.	Check that the DDO file exists and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	JudgeImgInfoObj m_clsQCDicom. GetImagePixelSpacing(m_QCDataInfo({0}).nDicomObj, strImageDensity): IRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	JudgeImgInfoObj m_clsQCDicom. GetImagePixel(m_QCDataInfo({0}).nDicomObj, nImagePixel): IRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file and restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
59198	FFQCMsgBoxCtrl	JudgeImgInfoObj m_clsQCDicom. GetImageFileUrl(m_ QCDataInfo({0}). nDicomObj, strImageFileUrl): IRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	JudgeImgInfoObj m_clsQCDicom. GetThmlImageFileUrl(m_ QCDataInfo({0}). nDicomObj, strImageFileUrl): IRet=={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	JudgeImgInfoObj m_clsQCDicom. GetStationName(m_ QCDataInfo({0}). nDicomObj, strStationName): IRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	JudgeMenuName Correspondence m_clsQCDicom.GetExam MenuNameSbcs(m_ QCDataInfo({0}). nDicomObj, strExamination({1})): IRet={2}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	JudgeMenuName Correspondence m_clsQCDicom. GetExposureMenuName Sbcs(m_QCDataInfo({0}). nDicomObj, strExposure({1})): IRet={2}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	JudgeMenuName Correspondence m_clsQCDicom. GetPlateID(m_ QCDataInfo({0}). nDicomObj, strPlateID({1})): IRet={2}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	InitQcComponent GetXRayDevInfo({0}, m_ tXrayUnit): IRet={1}	An error has occurred at the time of DB reading/writing.	Check that the file "Fujifilm\IIP\Param\MammoQC.mdb" exists at the database and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	InitQcComponent InitQcAutoCalc	An initialization error has occurred for MammoQCAutoCalcCom.dll.	Check that the file "Fujifilm\IIP\Param\MammoQCAutoCalcCom.dll" exists. After check the appropriateness of the data, restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
59198	FFQCMsgBoxCtrl	InitQcComponent InitQcResultJudge	An initialization error has occurred for MammoQCResultJudgeCom.dll.	Check that the file "Fujifilm\IIP\System\MammoQCResultJudgeCom.dll" exists. After check the appropriateness of the data, restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetImageId(m_QCDataInfo({0}). nDicomObj, m_IIimageID({1})) : IRet={2}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetStdImageFileUrl(m_QCDataInfo({0}). nDicomObj, strBuf): IRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetStdImagePixel(m_QCDataInfo({0}). nDicomObj, lBuf): IRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetStdImageLine(m_QCDataInfo({0}). nDicomObj, lBuf): IRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetStdImageDepth(m_QCDataInfo({0}). nDicomObj, lBuf): IRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetExposureMenuName Sbcs(m_QCDataInfo({0}). nDicomObj, strBuf): IRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetExamMenuName Sbcs(m_QCDataInfo({0}). nDicomObj, strBuf): IRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetMenuNameDbcs(m_ QCDataInfo({0}"). nDicomObj, strBuf): IRet={1})	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetPlateID(m_ QCDataInfo({0}"). nDicomObj, strBuf): IRet={1})	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetDetectorID(m_ QCDataInfo({0}"). nDicomObj, strBuf): IRet={1})	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetSValue(m_ QCDataInfo({0}"). nDicomObj, lBuf): IRet={1})	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetExposureResultKVP (m_QCDataInfo({0}"). nDicomObj, lBuf): IRet={1})	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetXconExposure(m_ QCDataInfo({0}"). nDicomObj, lBuf): IRet={1})	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetExposureResultMas (m_QCDataInfo({0}"). nDicomObj, lbuf): IRet={1})	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetAnodeTargetMaterial (m_QCDataInfo({0}"). nDicomObj, strTargetMaterial): IRet={1})	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetFilterMaterial(m_ QCDataInfo({0}"). nDicomObj, strFilterMaterial): IRet={1})	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetBodyPartThickness(m_ QCDataInfo({0}"). nDicomObj, strBuf): IRet={1})	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetCompressionForce(m_ QCDataInfo({0}"). nDicomObj, strBuf): IRet={1})	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetImageFileUrl(m_ QCDataInfo({0}"). nDicomObj, strBuf): IRet={1})	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicomGetImagePi xelSpacing(m_ QCDataInfo({0}"). nDicomObj, strBuf): IRet={1})	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetImageDepth(m_ QCDataInfo({0}"). nDicomObj, strBuf): IRet={1})	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetMachineCode(m_ QCDataInfo({0}"). nDicomObj, strBuf): IRet={1})	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetImagePixel(m_ QCDataInfo({0}"). nDicomObj, nBuf): IRet={1})	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDDicom. GetImageHighBit(m_ QCDataInfo({0}"). nDicomObj, lBuf): lRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDDicom. GetScanDirection(m_ QCDataInfo({0}"). nDicomObj, strBuf): lRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDDicom. GetRotationInverse(m_ QCDataInfo({0}"). nDicomObj, strBuf): lRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDDicom. GetImageInfFileUrl(m_ QCDataInfo({0}"). nDicomObj, strBuf): lRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData MakeLUTTable(strDDOFile Path, {0}) : lRet={1}	LUT table could not be created.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDDicom. GetDeviceName(m_ QCDataInfo(0).nDicomObj, strBuf) : lRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDDicom. GetStationName(m_ QCDataInfo({0}). nDicomObj, strReader): lRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDDicom. GetParamedicCode(m_ QCDataInfo(0).nDicomObj, m_strPhysician) : lRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDicom. GetParamedicName(m_ QCDataInfo(0).nDicomObj, strAnk, strKanji, strdata) : IRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	CreateData m_clsQCDiCom. GetStudyDate(m_ QCDataInfo(0),m_ strStudyDate) : IRet={1}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	MakeLUTTable CCApplmgPreProcGamma TblGetter({0}, {1}): IRet={2}	Failed in accessing the dll.	Check the appropriateness of the data of the file "Fujifilm\IIP\System\ ACCApplmgPreProc.dll" and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	MakeLUTTable FCDApplmgPreProc GammaTbl({0}, {1}): IRet={2}	Failed in accessing the dll.	Check the appropriateness of the data of the file "Fujifilm\IIP\System\ ACCApplmgPreProc.dll" and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	JudgeReExposure m_clsQCDicom. GetImageId(qcData Info({0}).nDicomObj, nNowImageData({1}).IID) : IRet={2}	An error has occurred at the time of DDO files reading.	Check the appropriateness of the data of the DDO file (INF) and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	DispResultQC initComXRay	An error has occurred at the time of database reading/writing.	Check that the file "Fujifilm\IIP\Param\ MammoQC.mdb" exists in the database and restart DR-ID 800CL.	
59198	FFQCMsgBoxCtrl	Initialize initComXRay	An error has occurred at the time of database reading/writing.	Check that the file "Fujifilm\IIP\Param\ MammoQC.mdb" exists in the database and restart DR-ID 800CL.	
60000		[UU60000] Failed in accessing the database.	Failed in accessing the database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60002		[UU60002] User Utility will be terminated.	User Utility will be terminated.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60050		[UU60050] Failed in accessing the character string database.	Failed in accessing the character string database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60051		[UU60051] Failed in accessing the system setting database.	Failed in accessing the system setting database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60052		[UU60052] Failed in obtaining the registry information.	Failed in obtaining the registry information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
60053		[UU60053] Value of registry information is abnormal.	Value of registry information is abnormal.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60054		[UU60054] Failed in obtaining the information from the character string database.	Failed in obtaining the information from the character string database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60055		[UU60055] Failed in obtaining the information from the system setting database.	Failed in obtaining the information from the system setting database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60056		[UU60056] Failed in obtaining the information from the system setting file.	Failed in obtaining the information from the system setting file.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60057		[UU60057] Failed in setting information to the system setting file.	Failed in setting information to the system setting file.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60080		[UU60080] Failed in obtaining the display group information.	Failed in obtaining the display group information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60081		[UU60081] Failed in obtaining the menu information.	Failed in obtaining the menu information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60100		[UU60100] Failed in obtaining the MPM code.	Failed in obtaining the MPM code.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60114		[UU60114] Failed in obtaining the XCON parameter.	Failed in obtaining the XCON parameter.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60183		[UU60183] Failed in accessing the technologist information database.	Failed in accessing the technologist information database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60184		[UU60184] Failed in accessing the technologist information database.	Failed in accessing the technologist information database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60185		[UU60185] Failed in obtaining the information from the system setting database.	Failed in obtaining the information from the system setting database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60203		[UU60203] Failed in accessing the requesting department information database.	Failed in accessing the requesting department information database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
60204		[UU60204] Failed in accessing the requesting department information database.	Failed in accessing the requesting department information database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60205		[UU60205] Failed in obtaining the information from the system setting database.	Failed in obtaining the information from the system setting database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60215		[UU60215] Failed in accessing the film annotation database.	Failed in accessing the film annotation database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60216		[UU60216] Failed in accessing the film annotation database.	Failed in accessing the film annotation database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60251		[UU60251] The data for image processing parameter is invalid.	The data for image processing parameter is invalid.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60260		[UU60260] System has not been rebooted.	System has not been rebooted.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60300		[UU60300] An option and a database aren't conformable.	An option and a database aren't conformable.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60301		[UU60301] Failed in saving the information.	Failed in saving the information.	Re-try it. Press the lower button to return to the previous display.	
60302		[UU60302] Failed in deleting.	Failed in deleting.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60303		[UU60303] User Utility cannot be started because the necessary option has not been installed.	User Utility cannot be started because the necessary option has not been installed.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
60304		[UU60304] System error occurred.	System error occurred.	Confirm the connected device.	
60305		[UU60305] System error occurred.	System error occurred.	Confirm the connected device. (Error level:%s Error ID:%s)	
60306		[UU60306] A communication error occurred with the X-ray generator.	A communication error occurred with the X-ray generator.	Perform the operation again after checking the X-ray generator.	
61060		[UU61060] Wrong password has been input.	Wrong password has been input.	Re-input correctly.	
61082		[UU61082] No menu has been selected.	No menu has been selected.	Select item prior to selection.	

Event	Event Source	Description	Causes	Remedies	Remarks
61083		[UU61083] Already registered for displaying and cannot be deleted.	Already registered for displaying and cannot be deleted.	Release the display registration for deleting.	
61084		[UU61084] Already registered to the study menu and cannot be deleted.	Already registered to the study menu and cannot be deleted.	Delete from the study menu for deleting.	
61085		[UU61085] Display group has no menu.	Display group has no menu.	Register menu or delete display group	
61090		[UU61090] Invalid character has been input in the display group name.	Invalid character has been input in the display group name.	Re-input correctly.	
61094		[UU61094] Display group name is illegal.	Display group name is illegal.	Either display group is too long (up to 64) or invalid character has been input. Re-input correctly.	
61103		[UU61103] Same extension menu code already exists.	Same extension menu code already exists.	Input other extension menu code.	
61106		[UU61106] Same ANK exposure menu name already exists.	Same ANK exposure menu name already exists.	Input other ANK exposure menu.	
61109		[UU61109] Same kanji-exposure menu name already exists.	Same kanji-exposure menu name already exists.	Input other kanji-exposure menu name.	
61110		[UU61110] Extension menu code is illegal.	Extension menu code is illegal.	Either extension code is too long (up to 16) or invalid character has been input. Re-input correctly.	
61111		[UU61111] ANK exposure menu name is illegal.	ANK exposure menu name is illegal.	Either ANK exposure menu name is too long (up to 64) or invalid character has been input. Re-input correctly.	
61112		[UU61112] Kanji-exposure menu name is illegal.	Kanji-exposure menu name is illegal.	Either kanji-exposure menu name is too long (up to 28) or invalid character has been input. Re-input correctly.	
61122		[UU61122] MPM code is illegal.	MPM code is illegal.	Either MPM code length is invalid (fix; 4) or invalid character has been input. Re-input correctly.	
61125		[UU61125] Same film annotation already exists.	Same film annotation already exists.	Input other film annotation.	
61130		[UU61130] Manufacturer/Equipment Code is illegal.	Manufacturer/Equipment Code is illegal.	Re-input correctly.	
61131		[UU61131] Film-related code is illegal.	Film-related code is illegal.	Re-input correctly.	

Event	Event Source	Description	Causes	Remedies	Remarks
61132		[UU61132] AEC setting is incorrect.	AEC setting is incorrect.	*Input correctly.	
61142		[UU61142] Same study menu code already exists.	Same study menu code already exists.	Input other study menu code.	
61145		[UU61145] Same ANK study menu name already exists.	Same ANK study menu name already exists.	Input other ANK study menu name.	
61148		[UU61148] Same kanji-study menu name already exists.	Same kanji-study menu name already exists.	Input other kanji-study menu name (up to 28).	
61149		[UU61149] No exposure menu has been selected.	No exposure menu has been selected.	Select item prior to selection.	
61151		[UU61151] Exposure menu cannot be registered.	Exposure menu cannot be registered.	Register the exposure menu to another study, or delete unnecessary exposure menus.	
61153		[UU61153] Study menu code is illegal.	Study menu code is illegal.	Either study menu code is too long (up to 16) or invalid character has been input. Re-input correctly.	
61154		[UU61154] ANK study menu code is illegal.	ANK study menu code is illegal.	Either ANK study menu name is too long (up to 64) or invalid character has been input. Re-input correctly.	
61155		[UU61155] Kanji-study menu code is illegal.	Kanji-study menu code is illegal.	Kanji-study menu name is too long (up to 28) or invalid character has been input. Re-input correctly.	
61171		[UU61171] No technologist code has been input.	No technologist code has been input.	Input the technologist code.	
61172		[UU61172] technologist code is illegal.	technologist code is illegal.	*Technologist code should be %s characters (FIX). Re-input correctly.	
61173		[UU61173] Invalid character has been input in the technologist code.	Invalid character has been input in the technologist code.	Re-input correctly.	
61174		[UU61174] Same technologist code already exists.	Same technologist code already exists.	Input other technologist code.	
61175		[UU61175] No ANK technologist name has been input.	No ANK technologist name has been input.	Input ANK technologist name.	
61176		[UU61176] ANK technologist name is too long.	ANK technologist name is too long.	*ANK technologist name can be input up to 64. Re-input correctly.	

Event	Event Source	Description	Causes	Remedies	Remarks
61177		[UU61177] Invalid character has been input in the ANK technologist name.	Invalid character has been input in the ANK technologist name.	Re-input correctly.	
61178		[UU61178] Same ANK technologist name already exists.	Same ANK technologist name already exists.	Input other ANK technologist name.	
61179		[UU61179] No kanji-technologist name has been input.	No kanji-technologist name has been input.	Input kanji-technologist name.	
61180		[UU61180] Kanji-technologist name is too long.	Kanji-technologist name is too long.	*Kanji-technologist name can be input up to 28. Re-input correctly.	
61181		[UU61181] Invalid character has been input in the kanji-technologist name.	Invalid character has been input in the kanji-technologist name.	Re-input correctly.	
61182		[UU61182] Same kanji-technologist name already exists.	Same kanji-technologist name already exists.	Input other technologist name.	
61191		[UU61191] No requesting department code has been input.	No requesting department code has been input.	Input the requesting department code.	
61192		[UU61192] Requesting department code is too long.	Requesting department code is too long.	*Requesting department code can be input up to 16. Re-input correctly.	
61193		[UU61193] Invalid character has been input in the requesting department code.	Invalid character has been input in the requesting department code.	Re-input correctly.	
61194		[UU61194] Same requesting department code already exists.	Same requesting department code already exists.	Input other requesting department code.	
61195		[UU61195] No ANK requesting department name has been input.	No ANK requesting department name has been input.	Input ANK requesting department name.	
61196		[UU61196] ANK requesting department name is too long.	ANK requesting department name is too long.	*ANK requesting department name can be input up to 64. Re-input correctly.	
61197		[UU61197] Invalid character has been input in the ANK requesting department name.	Invalid character has been input in the ANK requesting department name.	Re-input correctly.	
61198		[UU61198] Same ANK requesting department name already exists.	Same ANK requesting department name already exists.	Input other ANK requesting department name.	

Event	Event Source	Description	Causes	Remedies	Remarks
61199		[UU61199] No kanji-requesting department name has been input.	No kanji-requesting department name has been input.	Input kanji-requesting department name.	
61200		[UU61200] Kanji-requesting department name is too long.	Kanji-requesting department name is too long.	*Kanji-requesting department name can be input up to 8. Re-input correctly.	
61201		[UU61201] Invalid character has been input in the Kanji-requesting department name.	Invalid character has been input in the Kanji-requesting department name.	Re-input correctly.	
61202		[UU61202] Same kanji-requesting department name already exists.	Same kanji-requesting department name already exists.	Input other kanji-requesting department name.	
61211		[UU61211] No film annotation characters have been input.	No film annotation characters have been input.	Input the film annotation characters.	
61212		[UU61212] Film annotation characters are too long.	Film annotation characters are too long.	*Film annotation characters can be input up to 10. Re-input correctly.	
61213		[UU61213] Invalid character has been input in the film annotation characters.	Invalid character has been input in the film annotation characters.	Re-input correctly.	
61214		[UU61214] Same film annotation already exists.	Same film annotation already exists.	Input other film annotation.	
61224		[UU61224] The drive is not ready yet.	The drive is not ready yet.	Confirm the drive.	
61234		[UU61234] Drive is not ready.	Drive is not ready.	Confirm the drive.	
61235		[UU61235] The wrong disk is inserted.	The wrong disk is inserted.	Confirm the drive.	
61236		[UU61236] The wrong disk is inserted.	The wrong disk is inserted.	Insert %s the backup disk.	
61260		[UU61260] No default menu has been selected.	No default menu has been selected.	Select item.	
61280		[UU61280] No Coding Scheme Designator has been input.	No Coding Scheme Designator has been input.	Input Coding Scheme Designator.	
61281		[UU61281] Coding Scheme Designator is too long.	Coding Scheme Designator is too long.	*Coding Scheme Designator can be input up to 16. Re-input correctly.	
61282		[UU61282] Invalid character has been input in Coding Scheme Designator.	Invalid character has been input in Coding Scheme Designator.	Re-input correctly.	

Event	Event Source	Description	Causes	Remedies	Remarks
61290		[UU61290] The patient's information maintenance cannot be executed.	The patient's information maintenance cannot be executed.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
61291		[UU61291] The patient's information database cannot be backed up.	The patient's information database cannot be backed up.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
61292		[UU61292] The patient's information database cannot be restored.	The patient's information database cannot be restored.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
61300		[UU61300] Failed in backup process.	Failed in backup process.	Re-try it.	
61301		[UU61301] Failed in restore process.	Failed in restore process.	Re-try it.	
61302		[UU61302] An error occurred.	An error occurred.	Press the lower button to close this dialog and terminate the system.	
61310		[UU61310] No direction of columns has been input.	No direction of columns has been input.	Input direction of columns.	
61311		[UU61311] Direction of columns is too long.	Direction of columns is too long.	*Direction of columns characters can be input up to 3. Re-input correctly.	
61312		[UU61312] Invalid character has been input in the direction of columns.	Invalid character has been input in the direction of columns.	Re-input correctly.	
61313		[UU61313] No direction of rows has been input.	No direction of rows has been input.	Input direction of rows.	
61314		[UU61314] Direction of rows is too long.	Direction of rows is too long.	*Direction of rows characters can be input up to 3. Re-input correctly.	
61315		[UU61315] Invalid character has been input in the direction of rows.	Invalid character has been input in the direction of rows.	Re-input correctly.	
61316		[UU61316] No code value has been input.	No code value has been input.	Input code value.	
61317		[UU61317] Code value is too long.	Code value is too long.	*Code value characters can be input up to 16. Re-input correctly.	
61318		[UU61318] Invalid character has been input in the code value.	Invalid character has been input in the code value.	Re-input correctly.	
61319		[UU61319] No coding scheme designator has been input.	No coding scheme designator has been input.	Input coding scheme designator.	

Event	Event Source	Description	Causes	Remedies	Remarks
61320		[UU61320] Coding scheme designator is too long.	Coding scheme designator is too long.	*Coding scheme designator characters can be input up to 16. Re-input correctly.	
61321		[UU61321] Invalid character has been input in the coding scheme designator.	Invalid character has been input in the coding scheme designator.	Re-input correctly.	
61322		[UU61322] No coding scheme version has been input.	No coding scheme version has been input.	Input coding scheme version.	
61323		[UU61323] Coding scheme version is too long.	Coding scheme version is too long.	*Coding scheme version characters can be input up to 16. Re-input correctly.	
61324		[UU61324] Invalid character has been input in the coding scheme version.	Invalid character has been input in the coding scheme version.	Re-input correctly.	
61325		[UU61325] No code meaning has been input.	No code meaning has been input.	Input code meaning.	
61326		[UU61326] Code meaning version is too long.	Code meaning version is too long.	*Code meaning characters can be input up to 64. Re-input correctly.	
61327		[UU61327] Invalid character has been input in the code meaning version.	Invalid character has been input in the code meaning version.	Re-input correctly.	
61329		[UU61329] It registers for the DX parameter of the exposure menu. It can't be deleted.	It registers for the DX parameter of the exposure menu. It can't be deleted.	Unregister it from exposure menu to delete.	
61331		[UU61331] Same code value, coding scheme designator and coding scheme version already exists.	Same code value, coding scheme designator and coding scheme version already exists.	Input other information.	
61332		[UU61332] No user name has been input.	No user name has been input.	Input user name.	
61333		[UU61333] User name version is too long	User name version is too long	*User name characters can be input up to 20. Re-input correctly.	
61334		[UU61334] Invalid character has been input in the User Name.	Invalid character has been input in the User Name.	Re-input correctly.	
61335		[UU61335] An input user name can't be used.	An input user name can't be used.	Input other user name.	
61336		[UU61336] Same user name already exists.	Same user name already exists.	Input other user name.	

Event	Event Source	Description	Causes	Remedies	Remarks
61337		[UU61337] No password has been input.	No password has been input.	Input password.	
61338		[UU61338] Password is too long.	Password is too long.	*Password can be input up to 20. Re-input correctly.	
61339		[UU61339] Invalid character has been input in the password.	Invalid character has been input in the password.	Re-input correctly.	
61341		[UU61341] This file is not for the contrast medium data base.	This file is not for the contrast medium data base.	Select contrast medium data base.	
61342		[UU61342] A backup file does not exist.	A backup file does not exist.	Confirm the file path.	
61343		[UU61343] Direction of rows includes the same character.	Direction of rows includes the same character.	Re-input correctly.	
61344		[UU61344] Direction of columns includes the same character.	Direction of columns includes the same character.	Re-input correctly.	
61345		[UU61345] No media management files exist.	No media management files exist.	* Folder that is not subject to reconfiguration may be selected. Check the folder for reconfiguration and then select it again.	
64311		[UU64311] Data transfer service cannot be started at the destination device.	Data transfer service cannot be started at the destination device.	Check the connection and then re-try it.	
64312		[UU64312] Cannot connect to the destination device.	Unable to connect to the destination device.	Check the connection and then re-try it.	
64313		[UU64313] Cannot obtain the system configuration at the destination device.	Cannot obtain the system configuration at the destination device.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
64314		[UU64314] Cannot obtain the system configuration.	Cannot obtain the system configuration.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
64315		[UU64315] An error occurs. This processing cannot be continued.	An error occurs. This processing cannot be continued.	Retry.	
64457		[UU64457] The function ES cannot be specified by the exposure menu that registered in study menu.	The function ES cannot be specified by the exposure menu that registered in study menu.	Select other functions.	

Event	Event Source	Description	Causes	Remedies	Remarks
64459		[UU64459] An exposure menu that has been registered to a multiframe-specified study menu cannot specify the ES function.	An exposure menu that has been registered to a multiframe-specified study menu cannot specify the ES function.	Specify another function.	
64460		[UU64460] MPM code cannot be extended anymore because it has reached the limit number.	MPM code cannot be extended anymore because it has reached the limit number.	Assign any existing MPM code or contact maintenance personnel.	
64461		[UU64461] DX parameters have not been determined.	DX parameters have not been determined.	Set image laterality and patient orientation.	
64509		[UU64509] A query server isn't set up.	A query server isn't set up.	Choose a query server when you do automatic retrieve. Don't check automatic retrieve check when you can't choose it.	
64560		[UU64560] No user group has been entered.	No user group has been entered.	Enter a user group.	
64563		[UU64563] No display items have been assigned.	No display items have been assigned.	Assign display items appropriately.	
64566		[UU64566] Failed in data transmission processing.	Failed in data transmission processing.	Retry.	
64569		[UU64569] No display items have been selected.	No display items have been selected.	Select display items accordingly.	
64580		[UU64580] The minimum allowable S value exceeds the maximum value.	The minimum allowable S value exceeds the maximum value.	Input it correctly.	
64581		[UU64581] The minimum allowable L value exceeds the maximum value.	The minimum allowable L value exceeds the maximum value.	Input it correctly.	
64584		[UU64584] Failed in calculating the count how many times the IP was used.	Failed in calculating the count how many times the IP was used.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
64585		[UU64585] Failed in printout of the file list.	Failed in printout of the file list.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
64586		[UU64586] Failed in resetting the count how many times the IP was used.	Failed in resetting the count how many times the IP was used.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
64587		[UU64587] Failed in launching the RetakeAnalysis tool.	Failed in launching the RetakeAnalysis tool.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
64590		[UU64590] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
64592		[UU64592] Failed in local image retrieval and launching the image saving tool.	Failed in local image retrieval and launching the image saving tool.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
64595		[UU64595] Failed in activation of Ascent View setting screen.	Failed in activation of Ascent View setting window.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
68000		[UU68000] Failed in initialization. (Error ID:%s)	Failed in initialization. (Error ID:%s)	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
68001		[UU68001] Failed in retrieval. (Error ID:%s)	Failed in retrieval. (Error ID:%s)	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
68002		[UU68002] Failed in saving the image. (Error ID:%s)	Failed in saving the image. (Error ID:%s)	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
68012		[UU68012] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
68015		[UU68015] The time setting of QA auto confirmation exceeds a range of 5 to 720 minutes.	The time setting of QA auto confirmation exceeds a range of 5 to 720 minutes.	Enter information correctly.	
68016		[UU68016] Failed in exporting the patient information database.	Failed in exporting the patient information database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
68017		[UU68017] Failed in accessing the data base.	Failed in accessing the data base.	Contact maintenance personnel. Click the button to exit the system.	
68018		[UU68018] Failed in accessing the data base.	Failed in accessing the data base.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
68020		[UU68020] Writing data onto media was disabled.	Writing data onto media was disabled.	Check if the media is write-protected.	
68023		[UU68023] The parameter of reconstruction condition is invalid.	The parameter of reconstruction condition is invalid.	Check the reconstruction condition parameters.	The following items are changed. (Unit: mm) 1. Slice center height 2. Slice width 3. Slice interval
68024		[UU68024] Failed in starting up the QC tool of the reader.	Failed in starting up the QC tool of the reader.	Restart DR-ID 800CL. If the same error recurs after restarting, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
68025		[UU68025] No media management files exist.	No media management files exist.	Check the folder to be initialized, and then select the folder again.	
68026		[UU68026] The setting value of reconstruction condition is invalid.	The setting value of reconstruction condition is invalid.	Input a correct value.	
68027		[UU68027] An image of which the height of the slice is 0 to 500mm can only be generated. Other images cannot be generated.	An image of which the height of the slice is 0 to 500mm can only be generated. Other images cannot be generated.	Check the height of the slice.	
68028		[UU68028] The number of menus for selected MPM code exceeded the maximum value.	The number of menus for selected MPM code exceeded the maximum value.	Select a menu for other MPM codes and then retry.	
68029		[UU68029] Extension menu code (1st half) is invalid.	The extension menu code (1st half) is not composed of 16 characters or invalid character has been input.	Enter the correct value.	
68030		[UU68030] Extension menu code (2nd half) is invalid.	The extension menu code (2nd half) is not composed of 16 characters or invalid character has been input.	Enter the correct value.	
68031		[UU68031] Failed in obtaining JJ1017V3 extension menu code.	Failed in obtaining JJ1017V3 extension menu code.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
68032		[UU68032] Same extension menu code already exists.	Same extension menu code already exists.	Input other extension menu code.	
70000		[UU70000] Failed in conversion of mis-exposure image log information.	Failed in conversion of mis-exposure image log information.	*Collected log files may include illegal information. Confirm the log file.	
70001		[UU70001] Failed in deletion of log files.	Failed in deletion of log files.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70002		[UU70002] Failed in accessing the definition file.	Failed in accessing the definition file.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70003		[UU70003] Connection to the log sharing database resulted unsuccessful.	Connection to the log sharing database resulted unsuccessful.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70004		[UU70004] Failed in acquiring information from the log sharing database.	Failed in acquiring information from the log sharing database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70005		[UU70005] Connection to the system setting database resulted unsuccessful.	Connection to the system setting database resulted unsuccessful.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
70006		[UU70006] Failed in acquiring information from the system setting database.	Failed in acquiring information from the system setting database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70007		[UU70007] Connection to the character string database resulted unsuccessful.	Connection to the character string database resulted unsuccessful.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70008		[UU70008] Failed in acquiring information from the character string database.	Failed in acquiring information from the character string database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70009		[UU70009] Failed in acquiring registry information.	Failed in acquiring registry information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70010		[UU70010] Failed in writing registry information.	Failed in writing registry information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70011		[UU70011] Failed in acquiring technologist information.	Failed in acquiring technologist information.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70012		[UU70012] Failed in acquiring classifications of mis-exposure images.	Failed in acquiring classifications of mis-exposure images.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70013		[UU70013] Failed in acquiring comments on mis-exposure images.	Failed in acquiring comments on mis-exposure images.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70014		[UU70014] Connection to the log information database resulted unsuccessful.	Connection to the log information database resulted unsuccessful.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70015		[UU70015] Failed in acquiring information for setup of mis-exposure image analysis.	Failed in acquiring information for setup of mis-exposure image analysis.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70016		[UU70016] Failed in reading image files.	Failed in reading image files.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70017		[UU70017] Failed in displaying images.	Failed in displaying images.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70018		[UU70018] Failed in acquiring the button image.	Failed in acquiring the button image.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	

Event	Event Source	Description	Causes	Remedies	Remarks
70019		[UU70019] Failed in conversion of date format.	Failed in conversion of date format.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70020		[UU70020] Failed in storage of the mis-exposure image log list.	Failed in storage of the mis-exposure image log list.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70021		[UU70021] Failed in storage of the calculation result.	Failed in storage of the calculation result.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70022		[UU70022] An error occurred while an image is being displayed.	An error occurred while an image is being displayed.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70023		[UU70023] An error occurred.	An error occurred.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70024		[UU70024] Connection to the database of regions to be exposed resulted unsuccessful.	Connection to the database of regions to be exposed resulted unsuccessful.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70025		[UU70025] Connection to the database of causes of mis-exposure images resulted unsuccessful.	Connection to the database of causes of mis-exposure images resulted unsuccessful.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70026		[UU70026] Failed in calculation of the mis-exposure image log.	Failed in calculation of the mis-exposure image log.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70027		[UU70027] Failed in displaying calculation result of the mis-exposure image log.	Failed in displaying calculation result of the mis-exposure image log.	The calculation result may not be displayed properly. Confirm the log file.	
70028		[UU70028] Connection to the network setting database resulted unsuccessful.	Connection to the network setting database resulted unsuccessful.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70029		[UU70029] Failed in acquiring necessary data from the network setting database.	Failed in acquiring necessary data from the network setting database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70030		[UU70030] Failed in displaying the list.	Failed in displaying the list.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70031		[UU70031] Free hard disk space for writing data is insufficient.	Free hard disk space for writing data is insufficient.	Change the drive or use new media.	

Event	Event Source	Description	Causes	Remedies	Remarks
70032		[UU70032] Failed in deleting the mis-exposure image log.	Failed in deleting the mis-exposure image log.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70033		[UU70033] Failed in deleting the exposure result log.	Failed in deleting the exposure result log.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70034		[UU70034] Failed in deleting an image file.	Failed in deleting an image file.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70035		[UU70035] Failed in writing image data in the system setting database.	Failed in writing image data in the system setting database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70036		[UU70036] Failed in writing image data in the display setting database.	Failed in writing image data in the display setting database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70037		[UU70037] Failed in relocating the tree structure.	Failed in relocating the tree structure.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70038		[UU70038] Failed in reducing the tree structure.	Failed in reducing the tree structure.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70039		[UU70039] Transition to the main window resulted unsuccessful.	Transition to the main window resulted unsuccessful.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70040		[UU70040] Failed in accessing the menu database.	Failed in accessing the menu database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70041		[UU70041] Failed in accessing the log information database.	Failed in accessing the log information database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70042		[UU70042] Failed in accessing the system setup database.	Failed in accessing the system setup database.	Restart the system. If the same error recurs after restarting the system, reinstall the system.	
70043		[UU70043] Failed in storage of image data.	Failed in storage of image data.	Retry.	
70070		[UU70070] 4 items of View Modifier Code Sequences have already been selected.	4 items of View Modifier Code Sequences have already been selected.	Decrease the items of the view modifier code sequence to be selected to less than 4 items.	
70071		[UU70071] All the DX parameters have not been set yet.	All the DX parameters have not been set yet.	Set DX parameters.	

Event	Event Source	Description	Causes	Remedies	Remarks
70072		[UU70072] The mAs Value, Tube current [mA] and Exposure time [ms] are not consistent.	The mAs Value, Tube current [mA] and Exposure time [ms] are not consistent.	Set each value so that the mAs value is the product of Tube current and Exposure time.	
70073		[UU70073] The auto-calculated mAs value exceeds the range.	The auto-calculated mAs value exceeds the range.	Correct the values of the tube current [mA] and exposure time [ms].	
74027		[UU74027] The information to be displayed on the screen could not be retrieved.	The information to be displayed on the screen could not be retrieved.	Contact your service engineer.	
74028		[UU74028] The setting could not be saved.	The setting could not be saved.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
74029		[UU74029] Your password has expired.	Your password has expired.	Change the password.	
74030		[UU74030] Your password has expired.	Your password has expired.	Change the password.	
74031		[UU74031] The current password is not correct.	The current password is not correct.	Enter correctly.	
74032		[UU74032] User name does not exist in ParamedicDB.	User name does not exist in ParamedicDB.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
74033		[UU74033] The new password and the new password for confirmation do not match.	The new password and the new password for confirmation do not match.	Enter correctly.	
74034		[UU74034] The new password is identical to the password currently used.	The new password is identical to the password currently used.	Input a different password.	
74035		[UU74035] User name must be %s or more characters long.	User name must be %s or more characters long.	Input it correctly.	
74036		[UU74036] Password must be %s or more characters long.	Password must be %s or more characters long.	Input it correctly.	
74037		[UU74037] Failed in accessing to the authentication database.	Failed in accessing to the authentication database.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
74038		[UU74038] Failed in accessing to the system setting or authentication database.	Failed in accessing to the system setting or authentication database.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	

Event	Event Source	Description	Causes	Remedies	Remarks
74039		[UU74039] Failed in accessing to the CheckAccount.ini file.	Failed in accessing to the CheckAccount.ini file.	Restart DR-ID 800CL. If the same phenomenon recurred, reinstall DR-ID 800CL.	
74040		[UU74040] Your password will expire in %s days.	Your password will expire in %s days.	Change the password.	
74041		[UU74041] The display character string contains invalid character(s).	The display character string contains invalid character(s).	Enter correctly.	
74046		[UU74046] Custom magnification in the Trimming-fit Setting is out of the effective range (100-70, or 0).	The specified magnification in the Trimming-fit setting is out of the predetermined range.	Input correctly.	
74047		[UU74047] "Distribute automatically at each reading" and "Distribute the selected images" cannot be specified separately for Print and Storage.	"Distribute automatically at each reading" and "Distribute the selected images" cannot be specified separately for Print and Storage.	Check the arrangement order and try again.	
74048		[UU74048] The arrangement order overlaps.	The arrangement order overlaps.	Input it correctly.	
74049		[UU74049] The caption contains invalid character(s), or more than 5 characters has been entered.	The caption contains invalid character(s), or more than 5 characters has been entered.	Input it correctly.	
74050		[UU74050] Up to 7 device status icons can be registered.	The device status icons can be registered are more than 7.	Input it correctly.	

BLANK PAGE

Appendix C Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix D Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix E Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

DR-ID 800CL Service Manual

MC: Inspection, Replacement and Adjustment

Control Sheet

Issue date	Revision number	Reason	Pages affected
12/14/2012	01	New release (FM6115)	All pages
03/29/2013	02	Revision (FM6175)	52, 53, 55
03/29/2013	02	Changes in pagination (FM6175)	54, 56–73
08/30/2013	03	Revision (FM6189)	1, 45–48, 52, 54, 56–60, 65, 66, 76, 77
08/30/2013	03	Changes in pagination (FM6189)	49–51, 53, 55, 61–64, 67–75, 78

1. Restoring the HDD Image

◆ NOTE ◆

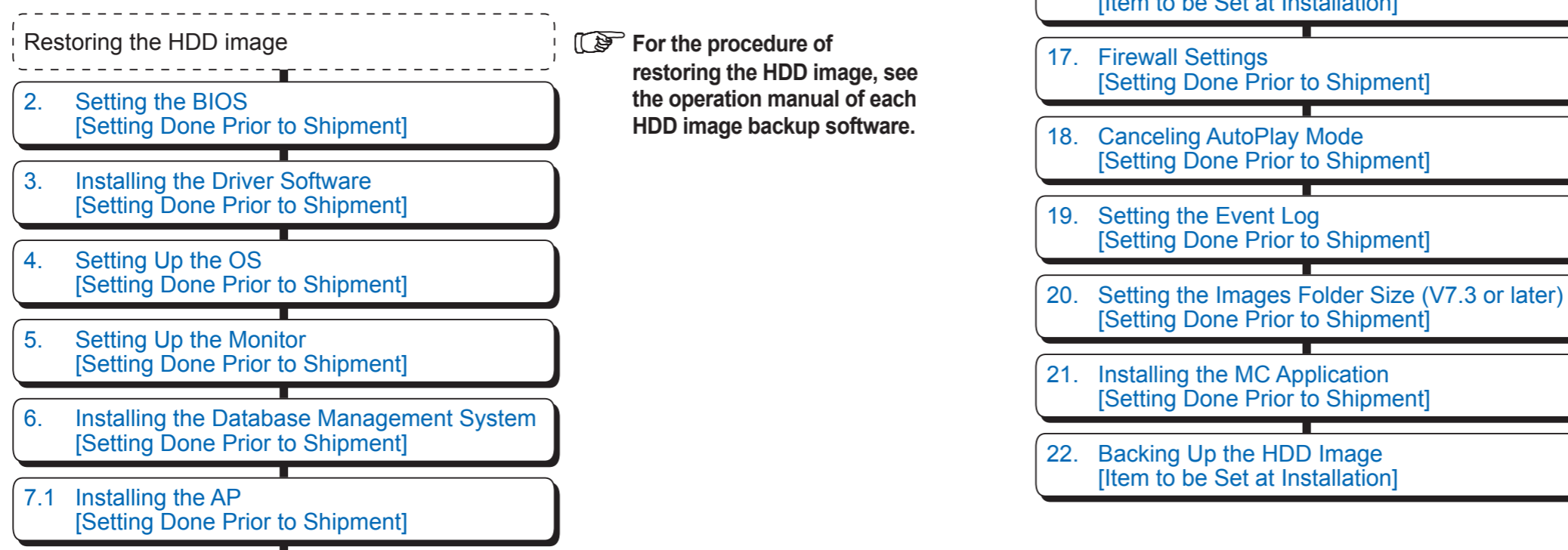
- Disconnect the following device in advance.
 - Barcode reader
- Connect the following devices in advance.
 - USB-connected disk drive (JIG)
 - Keyboard (JIG)
 - Mouse (JIG)

When formatting or replacing the HDD due, for instance, to its failure, it is necessary to restore the backed up HDD image. This section describes the setup procedures used after restoring the HDD image. Follow the flowchart below to perform settings.

● Installation workflow

➔ REFERENCE

In the following setting items, “[Setting Done Prior to Shipment]” is displayed after each item which has been factory set prior to shipment and “[Item to be Set at Installation]” is displayed after each item which must be set at the time of installation.



2. Setting the BIOS [Setting Done Prior to Shipment]

1. Connect the USB keyboard (JIG) to the USB port of the Mobile X-ray Unit.
2. Turn ON the power of the DR system on the Mobile X-ray Unit.
→ The PC starts.
3. Before the screen is displayed, press <F2> key.

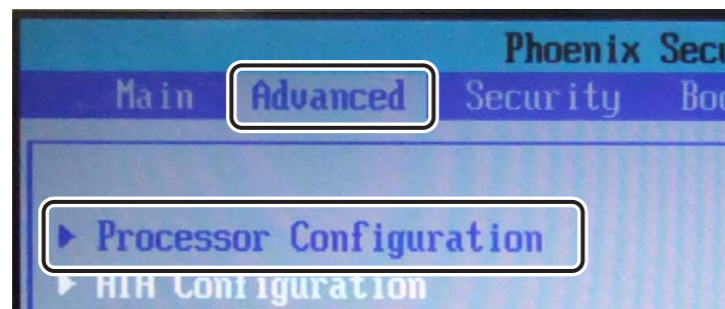
→ REFERENCE

If the <F2> key is not pressed with the timeliness, the setup window will not open.

In such an instance, restart the PC to perform step 3. above again.

→ The “Phoenix SecureCore Tiano Setup” window opens.

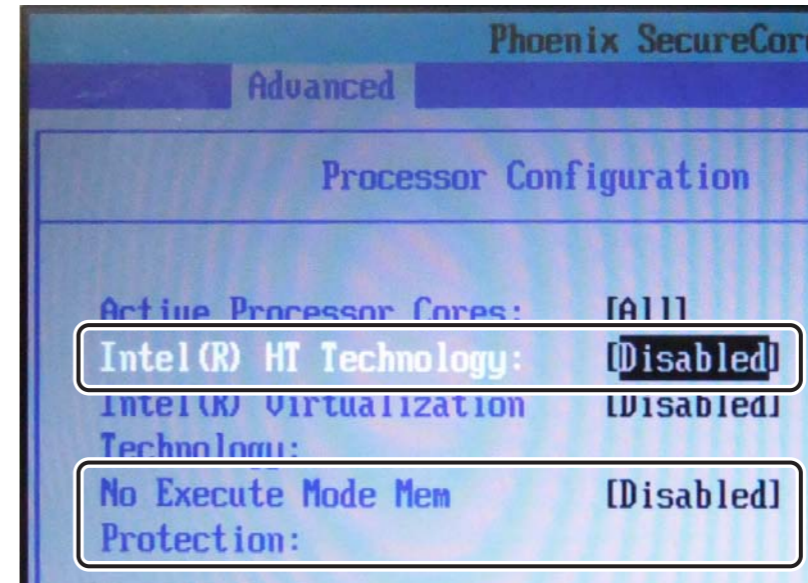
4. Select “Processor Configuration” from “Advanced” and then press <Enter> key.



D80C010302001.ai

→ The “Processor Configuration” window opens.

5. Press <Enter> key at each of the following items to set them to “Disabled”.
 - Intel(R) HT Technology
 - No Execute Mode Mem Protection

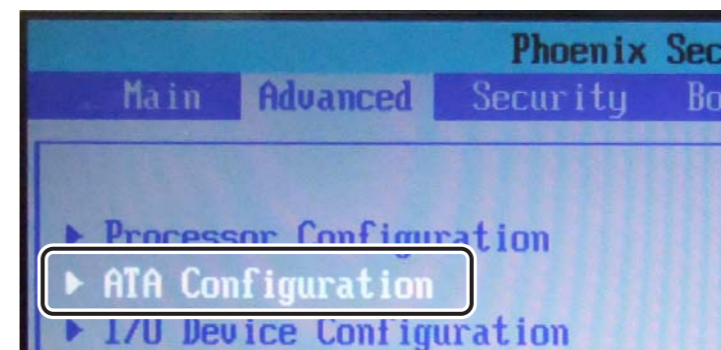


D80C010302002.ai

6. Press <Esc> key.

→ The system returns to the “Advanced” window.

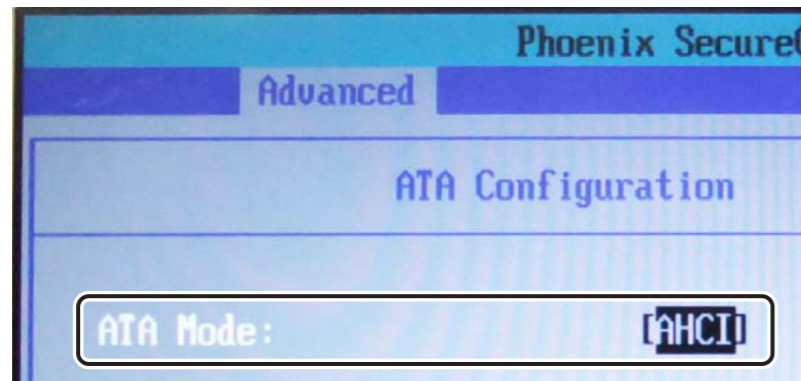
7. Select “ATA Configuration” and then press <Enter> key.



D80C010302003.ai

→ The “ATA Configuration” window opens.

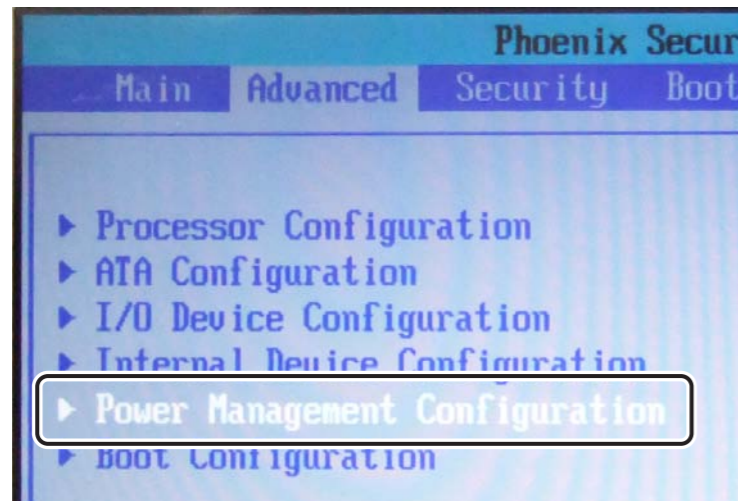
8. Select "ATA Mode" and press <Enter> key to set "AHCI".



9. Press <Esc> key.

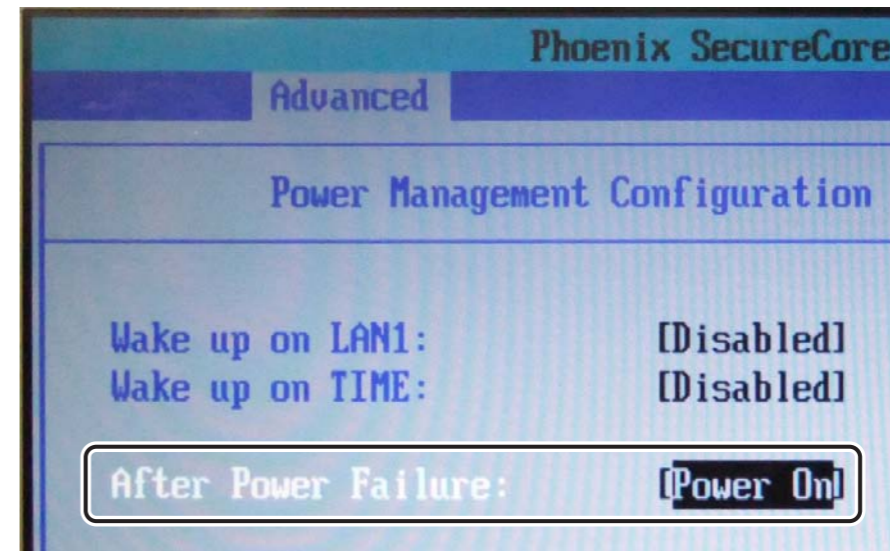
→ The system returns to the "Advanced" window.

10. Select "Power Management Configuration" and then press <Enter> key.

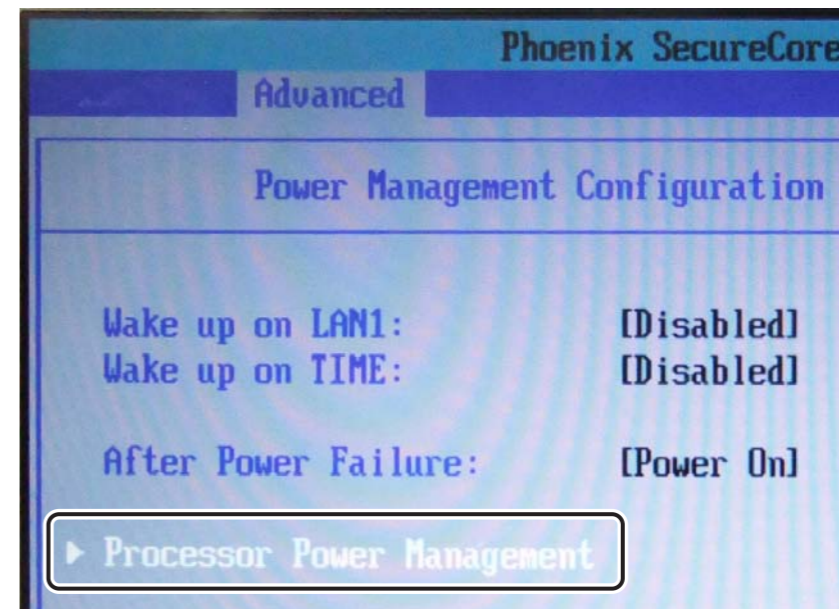


→ The "Power Management Configuration" window opens.

11. Select "After Power Failure" and press <Enter> key to set "Power On".

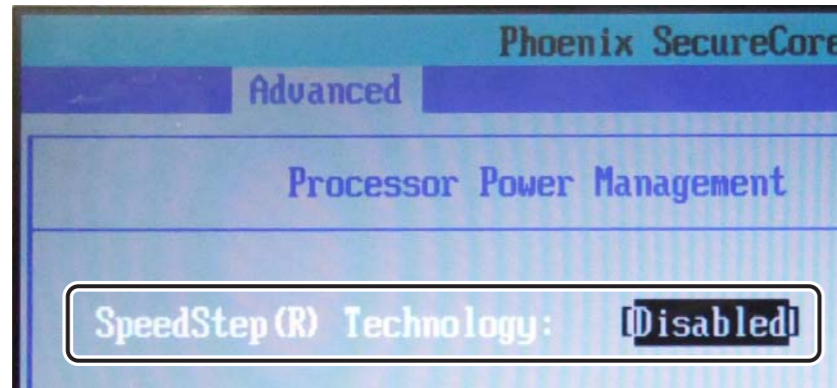


12. Select "Processor Power Management" and then press <Enter> key.



→ The "Processor Power Management" window opens.

13. Select “SpeedStep(R) Technology” and press <Enter> key to set “Disabled”.



D80C010302008.ai

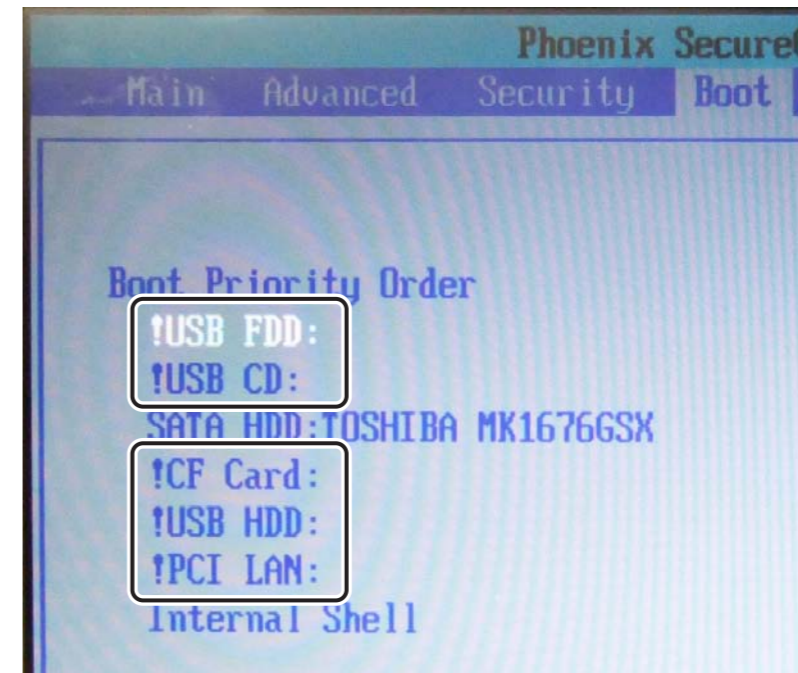
14. Press the <Esc> key 2 times.

→ The system returns to the “Advanced” window.

15. Select “Boot Priority Order” from “Boot” and then press <Enter> key.

16. Press <Shift> key and <1> key at each of the following items to disable them.

- USB FDD
- USB CD
- CF Card
- USB HDD
- PCI LAN



D80C010302009.ai

➔ **REFERENCE**

The "!" mark is displayed at the head of the disabled item.

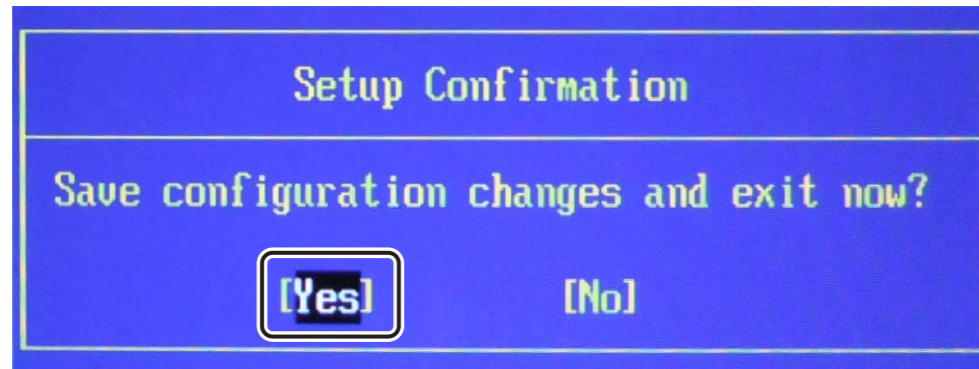
17. Press <Esc> key.

→ The system returns to the “Boot” window.

18. Select “Exit” – “Exit Saving Changes” and then press <Enter> key.

→ The “Setup Confirmation” window opens.

19. Select “Yes” and then press <Enter> key.



D80C010302010.ai

→ After the PC restarted, a login window opens.

20. Enter “fcr-iip” and click  .



DXL03020046.ai

◆ **NOTE** ◆

The entered password is displayed as “●”.


→ The desktop screen opens.

3. Installing the Driver Software [Setting Done Prior to Shipment]

Use the “Resource CD for AR2000 V1.0” Disk to install the driver software items.

➔ REFERENCE

To determine what driver software needs to be installed, you can use Device Manager. To open Device Manager, perform the following steps:

- I. Right-click “My Computer” from the  menu and select “Properties” from the pull-down menu that opens.
➔ The “System Properties” window opens.
- II. Click “Device Manager”.
➔ The “Device Manager” window opens.

The software for items marked “!” in Device Manager is not installed. Install the driver software for such items.

■ Installing various driver software

Installing the software for the following drivers.

1. **Chipset Drivers**
“D:/CHIPSET/infinst_autol.exe”
2. **Video Drivers**
“D:/GRAPHICS/Setup.exe”
3. **Network Drivers**
“D:/LAN/Autorun.exe”
4. **Audio Drivers**
“D:/AUDIO/Setup.exe”
5. **AHCI Drivers**
“D:/AHCI/iata_cd.exe”

◆ NOTE ◆

If the system requests to restart the PC after installation of each driver, restart the PC.

➔ REFERENCE

For example, installation procedure of video driver is described as follows.

1. Connect the USB disk drive (JIG) to the USB port of the Mobile X-ray Unit.
2. Insert the “Resource CD for AR2000 V1.0” Disk into the disk drive.
→ The “AutoPlay” window opens.
3. Click “Open folder to view files”.
→ An explorer opens.
4. Open the “GRAPHICS” folder and then double-click “Setup.exe”.
→ The “Welcome to the Setup Program” window opens.
5. Click [Next].
◆ NOTE ◆
If you are installing Video Drivers and when the “Welcome to the Setup Program” window opens, remove the checkmark from “Automatically run WinSAT and enable the Windows Aero desktop theme (if supported).” and click [Next].
→ The “License Agreement” window opens.
6. Click [Yes].
→ The “Readme File Information” window opens.
7. Click [Next].
→ The “Setup Progress” window opens.
8. Click [Next].
→ The “Setup Is Complete” window opens.

9. Place a checkmark to “Yes, I want to restart this computer now.” and click [Finish].

→ After the PC restarted, a login window opens.

10. Enter “fcr-iip” and click  .



◆ NOTE ◆

The entered password is displayed as “●”.

→ The desktop screen opens.

11. Remove the Disk from the disk drive.

■ Installing the monitoring tool

- 1. Insert the “Resource CD for AR2000 V1.0” Disk into the disk drive.**
→ The “AutoPlay” window opens.
- 2. Click “Open folder to view files”.**
→ An explorer opens.
- 3. Open the “EWS_Entry Setup” folder and then double-click “Setup.exe”.**
→ The “Welcome to the Embed Ware/SysMon Entry Ver 5.0.3.005 Setup Wizard” window opens.
- 4. Click [Next].**
→ The “License Agreement” window opens.
- 5. Select “I Agree”, and click [Next].**
→ The “Select Installation Folder” window opens.
- 6. Click [Next].**
→ The “Confirm Installation” window opens.
- 7. Click [Next].**
→ The “Windows Security” window opens.
- 8. Click [Install].**
→ The “Embed Ware/SysMon Entry” window opens.
- 9. Click [OK].**
→ The “Installation Complete” window opens.

10. Click [Close].

→ The system returns to the explorer.

11. Close the explorer.

→ The system returns to the desktop screen.

12. Restart the PC.

→ After the PC restarted, a login window opens.

13. Enter “fcr-iip” and click .



◆ NOTE ◆

The entered password is displayed as “●”.

→ The desktop screen opens.

14. Remove the Disk from the disk drive.

■ Installing the touch panel driver software

- 1. Insert the “Resource CD for AR2000 V1.0” Disk into the disk drive.**
 - The “AutoPlay” window opens.
- 2. Click “Open folder to view files”.**
 - An explorer opens.
- 3. Open the “TOUCHPANEL” folder and then double-click “SW601854-ELO Touch-5.4.6.exe”.**
 - The “Welcome to Elo Touch Driver for Windows XP/Windows Vista/Windows 7 Installer” window opens.
- 4. Click [OK].**
 - The “Winzip Self -Extractor...” window opens.
- 5. Click [Unzip].**
 - The “197file(s) unzipped successfully” window opens.
- 6. Click [OK].**
 - The “Elo Touchscreen Setup(5.4.6)” window opens.
- 7. Click [Next].**
 - The “Welcome to Elo Touchscreen Setup” window opens.
- 8. Select “Install Serial Touchscreen Drivers” and click [Next].**
 - The “License Agreement” window opens.
- 9. Click [Yes].**
 - The “Select the COM ports to use with Elo Serial touchscreens” window opens.

- 10. Select “Auto-detect Elo touchscreens” and click [Next].**

→ The “Choose the COM ports from the list below to...” window opens.

- 11. Place a checkmark to “COM1” and click [Next].**

→ The “You have selected COM ports...” window opens.

- 12. Make sure that “COM1” is displayed and click [Next].**

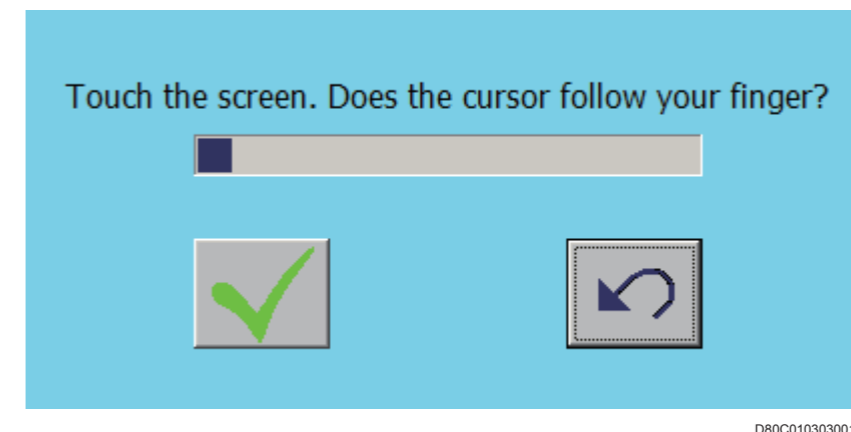
→ The “Setup Complete” window opens.

- 13. Place a checkmark to “Calibrate Elo Touchscreen monitors.” and click [Finish].**

→ A window opens asking you to adjust the position to be touched on the window.

- 14. Touch the displayed  marks (three places).**

→ The following window opens.



- 15. Touch .**

→ The system returns to the desktop screen.

- 16. Remove the Disk from the disk drive.**

4. Setting Up the OS [Setting Done Prior to Shipment]

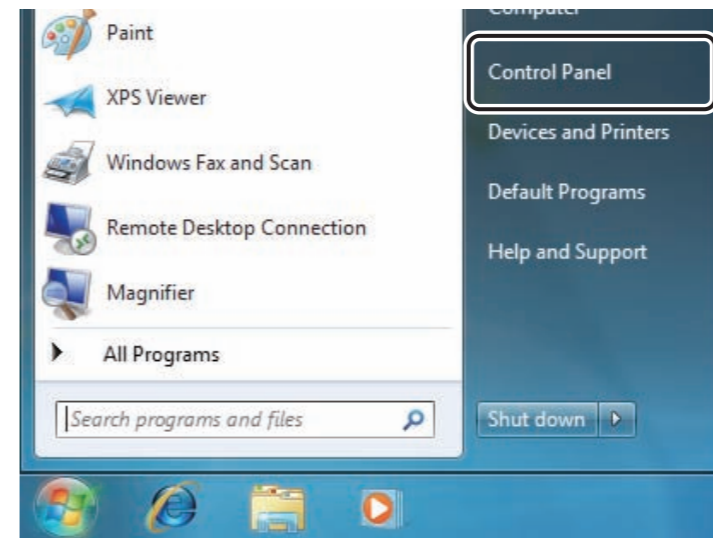
Perform the following OS-related settings.

- Setting the control panel
- Changing the computer name
- Setting the IP address
- Setting the taskbar
- Hiding icons on the taskbar
- Setting the action center
- Setting the automatic OS update
- Setting the monitor size
- Setting the visual effects
- Setting the screen properties
- Setting the automatic window arrangement
- Setting the power options
- Setting the Internet time
- Canceling settings for simplified file sharing
- Addition of components
- Setting the service
- Disabling the scheduler
- Confirmation of decimal symbol and digit grouping symbol (other than Japanese)
- Checking the Device Manager
- Changing the COM2 port settings
- Setting the touch panel driver
- Setting the Intel Graphics and Media Control Panel
- Setting the notification area

■ Setting the control panel

Change display of the control panel to the “Large icons” view.

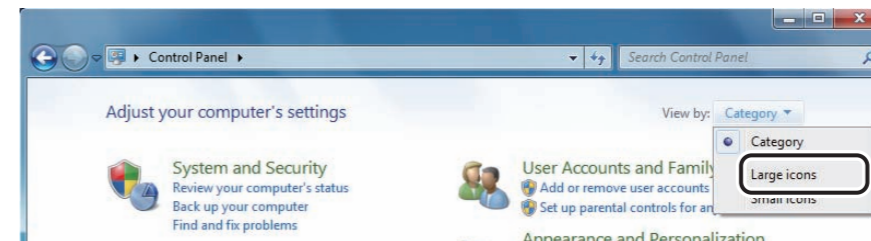
1. Select “Control Panel” from the  menu.



DXL03020160.ai

→ The “Control Panel” window opens.

2. Select “Large icons” from “View by”.



DXL03020161.ai

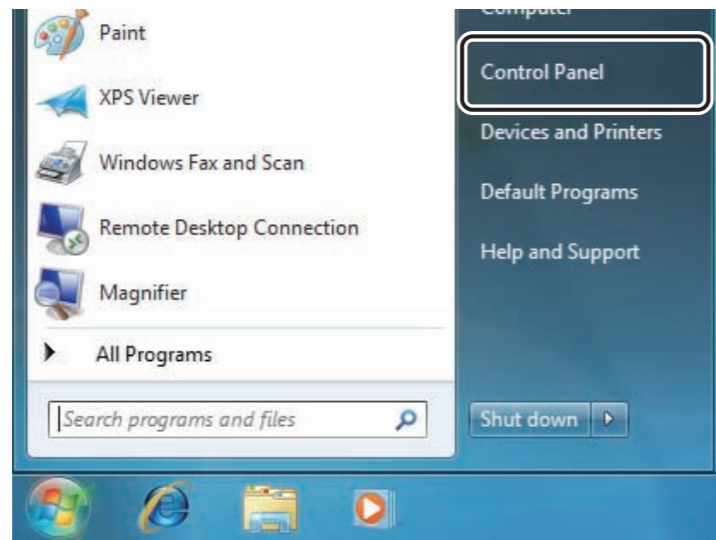
→ The “All Control Panel Items” window opens.

3. Close the “All Control Panel Items” window.

→ The system returns to the desktop screen.

■ Changing the computer name

1. Select “Control Panel” from the  menu.

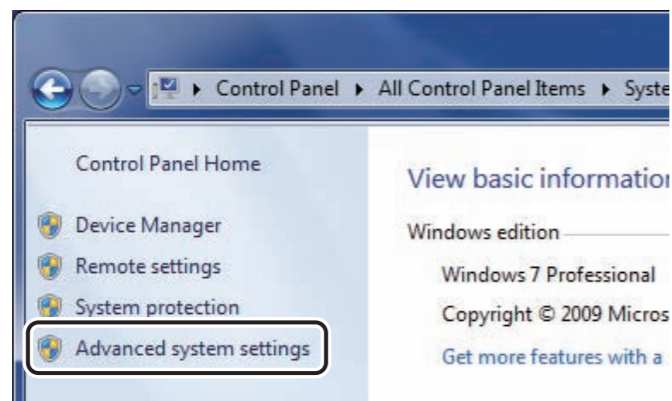


→ The “All Control Panel Items” window opens.

2. Click  .

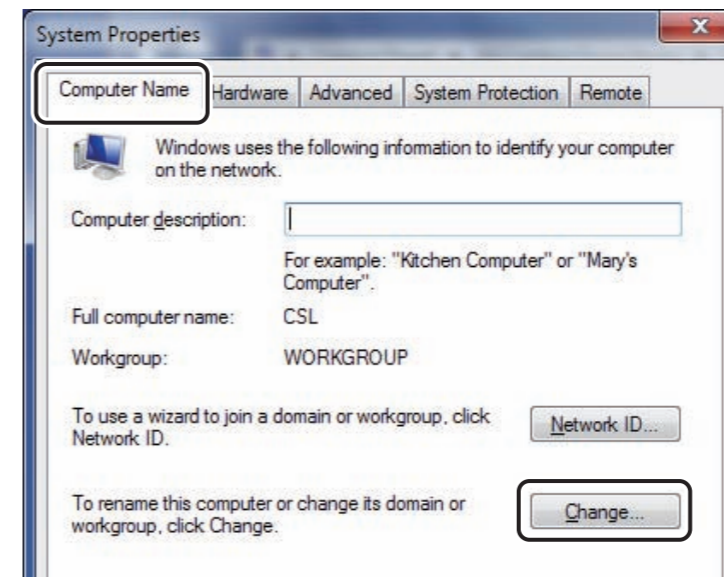
→ The “System” window opens.

3. Select “Advanced system settings”.



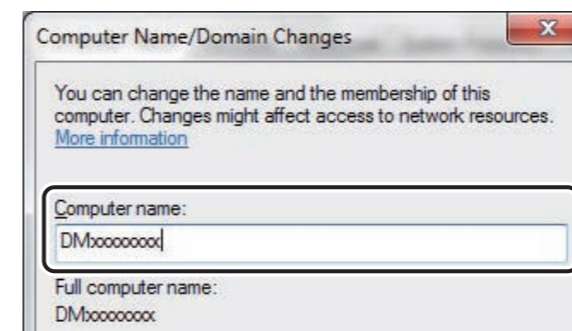
→ The “System Properties” window opens.

4. Select the “Computer Name” tab and click  .



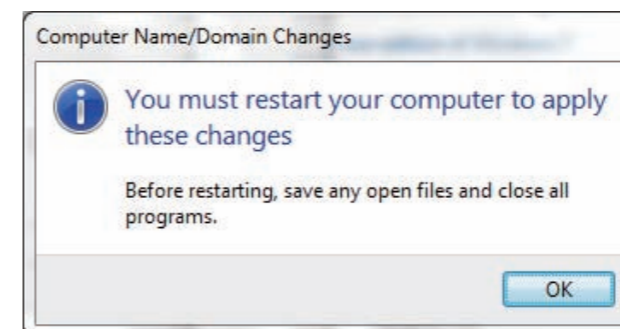
→ The “Computer Name/Domain Changes” window opens.

5. Enter “DMxxxxxxx” in the “Computer name:” column. (Enter “DM” as an one-byte capital letter and enter last 8 digits of product serial number for “xxxxxxx”.)



6. Click  .

→ A confirmation window opens.

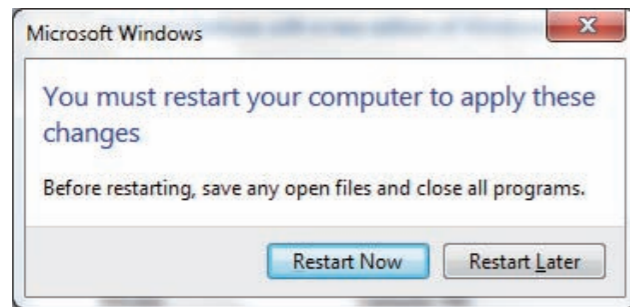


7. Click  .

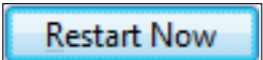
→ The system returns to the “System Properties” window.

8. Click  .

→ A confirmation window opens.



DXL03020326.ai

9. Click  .

→ After the PC is restarted, a login window opens.

10. Enter “fcr-iip” and click  .



DXL03020046.ai

◆ **NOTE** ◆

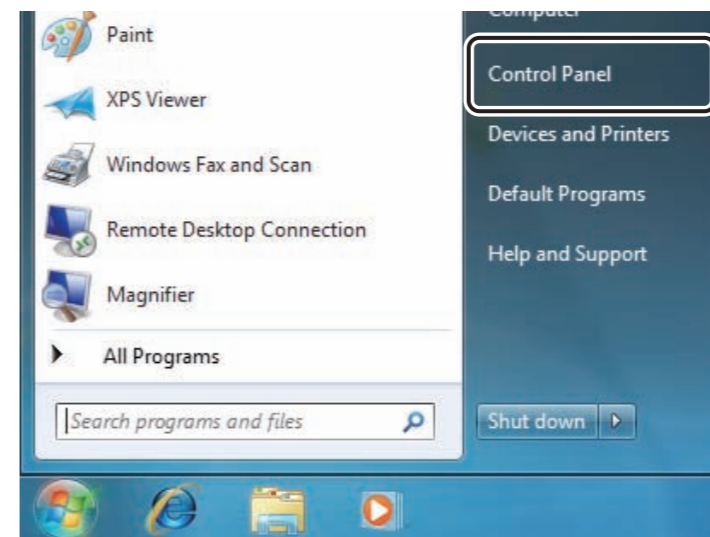
The entered password is displayed as “●”.

→ The desktop screen displays.

■ Setting the IP address


Setting the IP address.

1. Select “Control Panel” from the  menu.



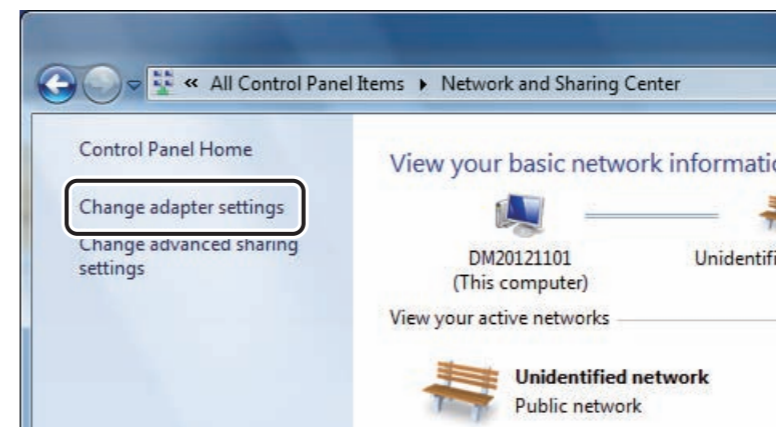
DXL03020160.ai

→ The “All Control Panel Items” window opens.

2. Click  .

→ The “Network and Sharing Center” window opens.

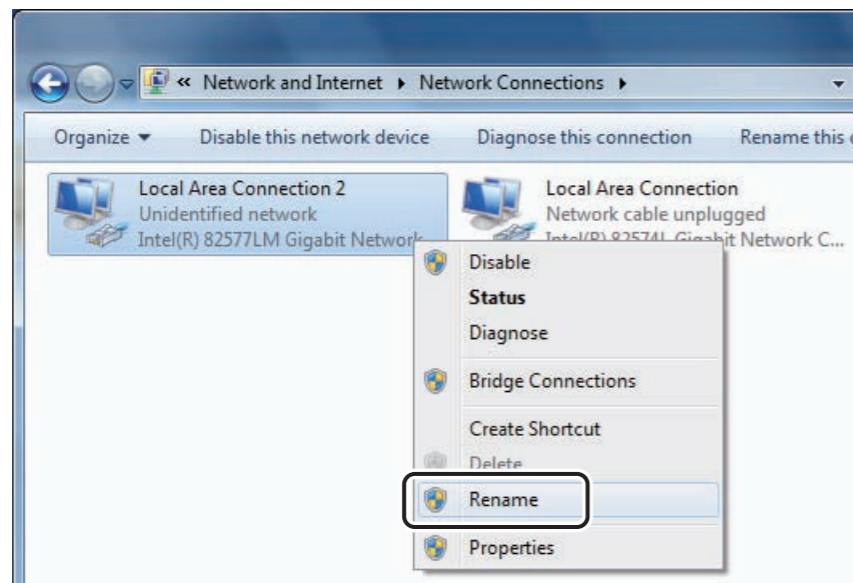
3. Click “Change Adapter Settings”.



D80C010304001.ai

→ The “Network Connection” window opens.

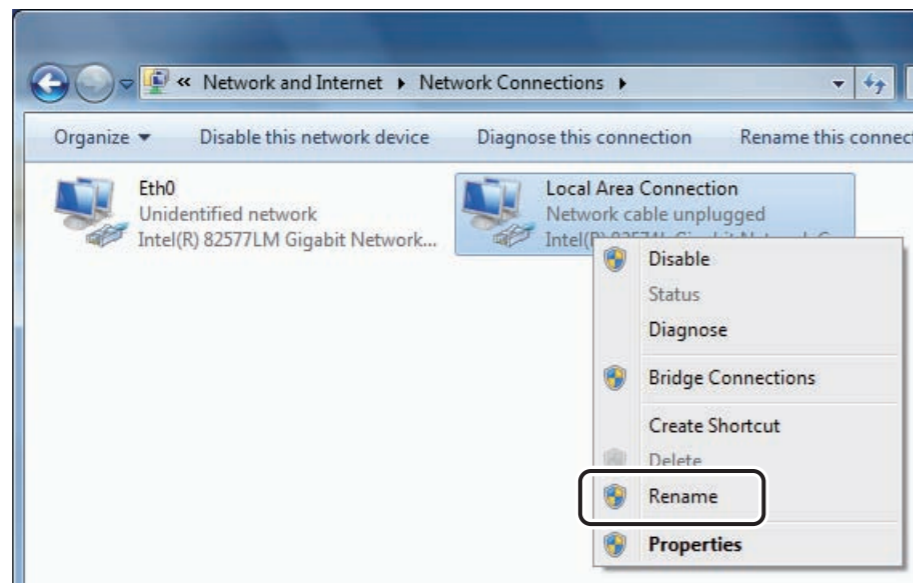
4. When “Local Area Connection 2” is displayed, right-click “Local Area Connection 2” and select “Rename”.



D80C010304002.ai

5. Change the name to “Eth0”.

6. When “Local Area Connection” is displayed, right-click “Local Area Connection” and select “Rename”.

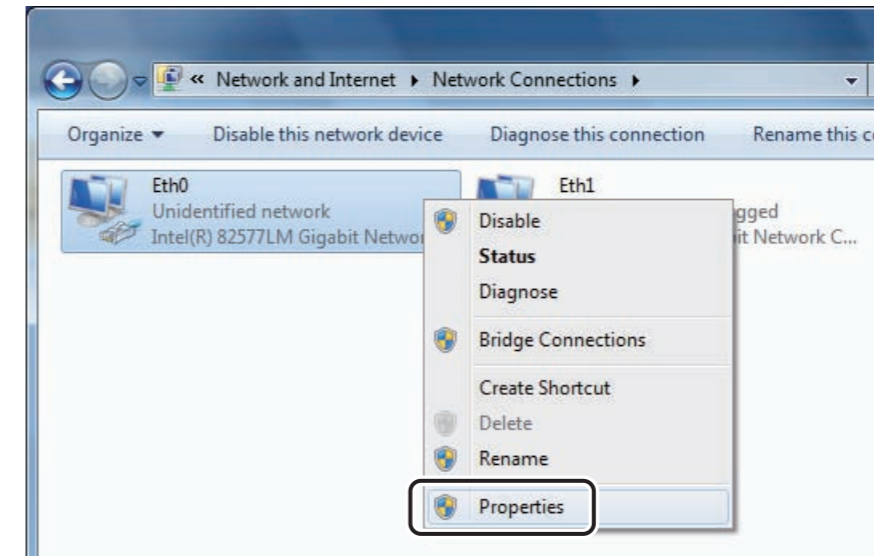


D80C010304003.ai

7. Change the name to “Eth1”.

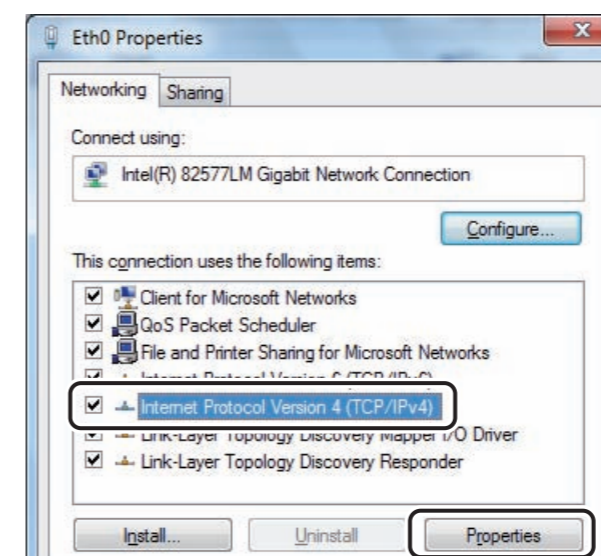
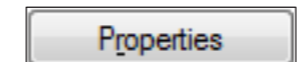
8. Right-click “Eth0” and select “Properties”.

→ The “Eth0 Properties” window opens.



D80C010304004.ai

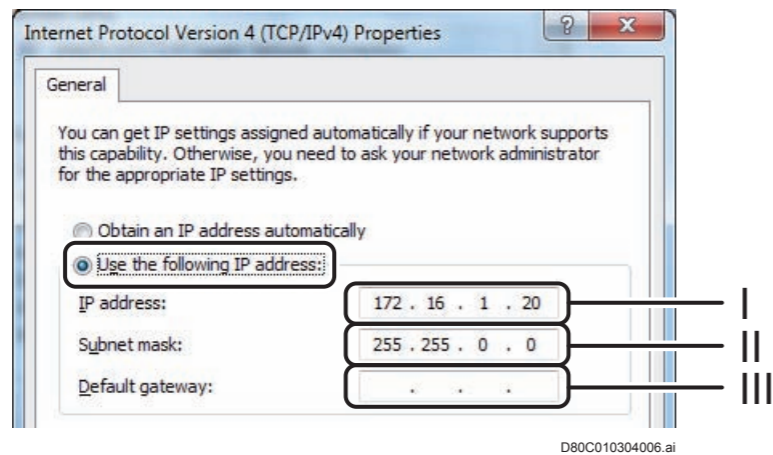
9. Select “Internet Protocol Version 4 (TCP/IPv4)” and click



D80C010304005.ai

→ The “Internet Protocol Version 4 (TCP/IPv4) Properties” window opens.

10. Select “Use the following IP address” and make the following settings.



- I. Enter the IP address. (ex. : 172.16.1.20)
- II. Enter the Subnet mask. (ex. : 255.255.0.0)
- III. Keep the Default gateway in blank. (Do not enter)

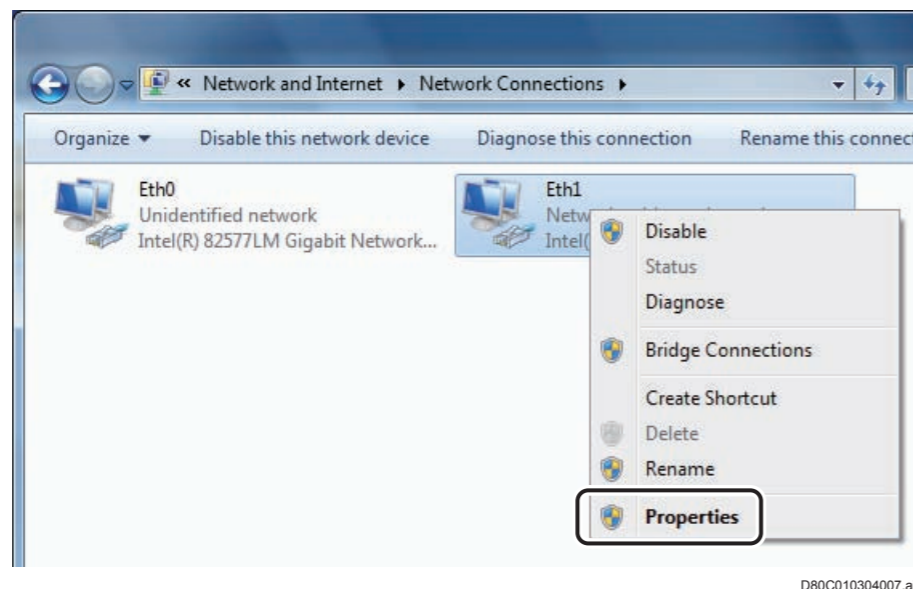
11. Click  .

→ The system returns to the “Eth0 Properties” window.

12. Click  .

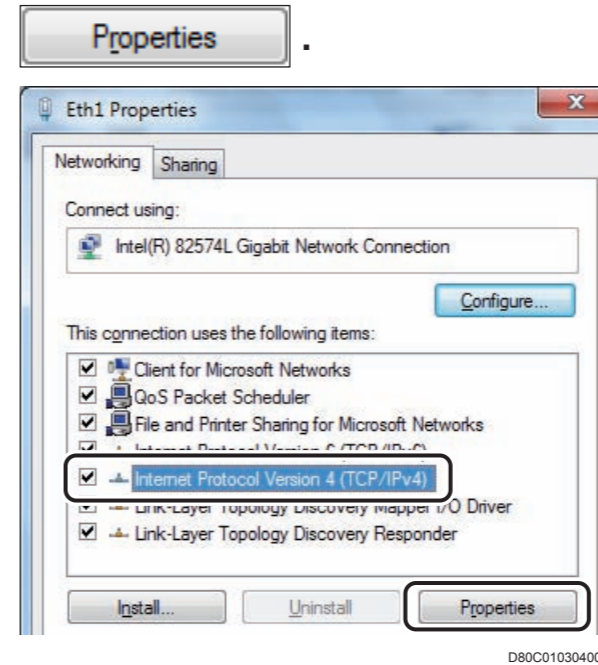
→ The system returns to the “Network Connection” window.

13. Right-click “Eth1” and select “Properties”.



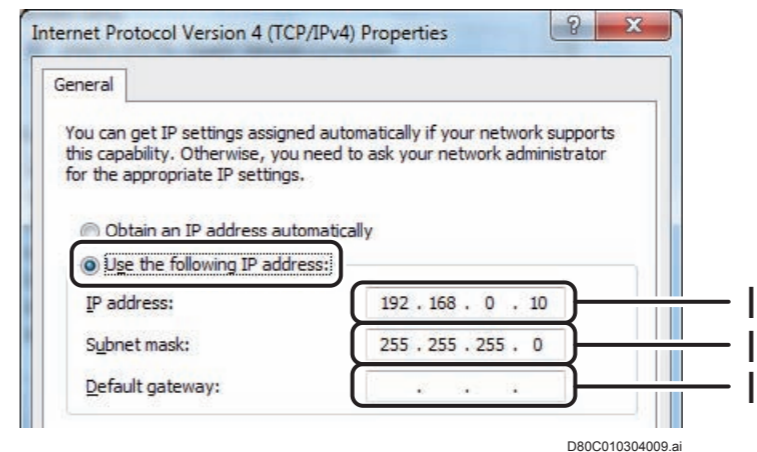
→ The “Eth1 Properties” window opens.

14. Select “Internet Protocol Version 4 (TCP/IPv4)” and click



→ The “Internet Protocol Version 4 (TCP/IPv4) Properties” window opens.

15. Select “Use the following IP address” and make the following settings.



- I. Enter the IP address. (ex. : 192.168.0.10)
- II. Enter the Subnet mask. (ex. : 255.255.255.0)
- III. Keep the Default gateway in blank. (Do not enter)

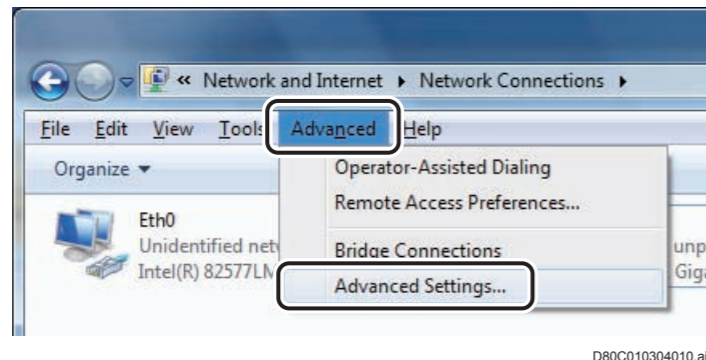
16. Click  .

→ The system returns to the “Eth1 Properties” window.

17. Click  .

→ The system returns to the “Network Connection” window.

18. Select “Advanced Settings” from the “Advanced” menu.



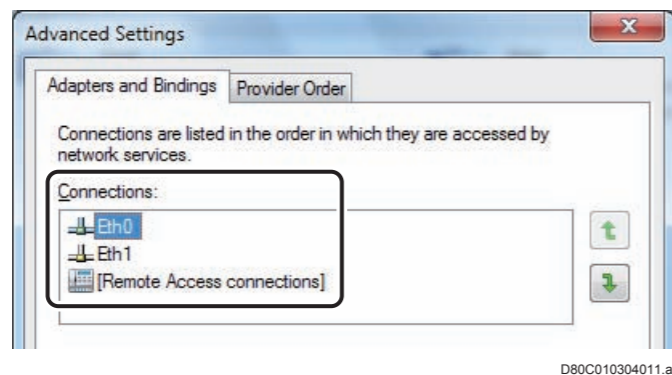
➔ **REFERENCE**

If the menu bar is not displayed, press the <Alt> key to display it.

→ The “Advanced Settings” window opens.

19. Set the connections in the “Connection” field so that they are displayed in the following priority order.

1. Eth0
2. Eth1
3. [Remote Access Connection]



➔ **REFERENCE**

By setting the priority order for the network binding, “This Host” becomes the connection with the highest priority order of the connected network connections.

20. Click [OK].

→ The system returns to the “Network Connection” window.

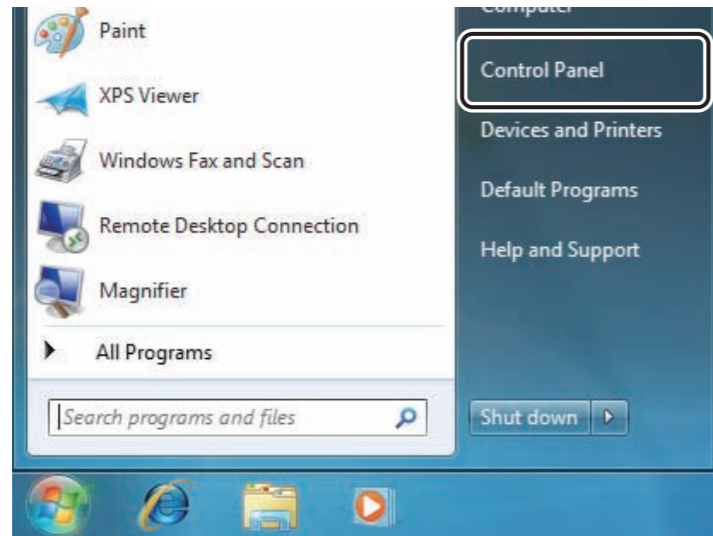
21. Close the “Network Connection” window.

→ The system returns to the desktop screen.

■ Setting the taskbar

Change the windows taskbar display setting as follows.

1. Select “Control Panel” from the menu.



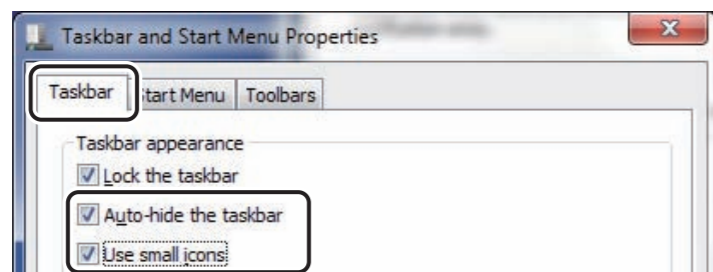
→ The “All Control Panel Items” window opens.

2. Click Taskbar and Start Menu Properties .

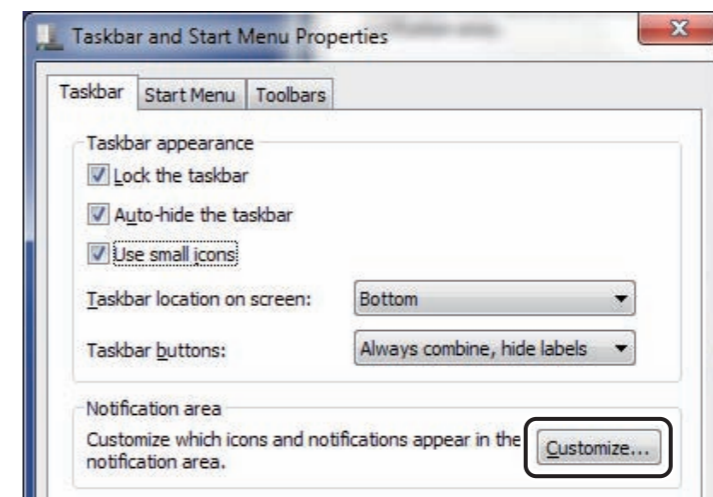
→ The “Taskbar and Start Menu Properties” window opens.

3. Select the “Taskbar” tab and make the following settings.

- Place a checkmark to “Auto-hide the taskbar”.
- Place a checkmark to “Use small icons”.

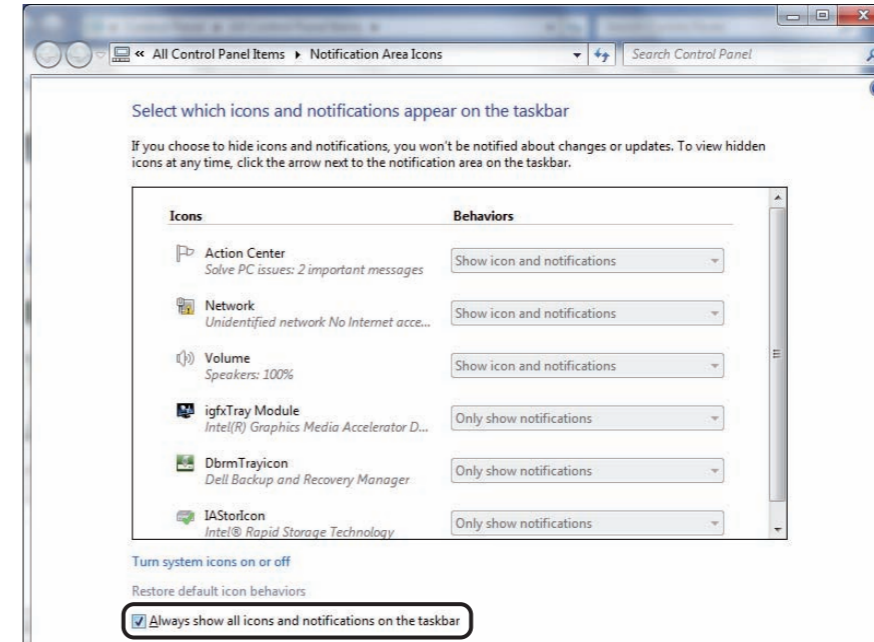


4. Click .



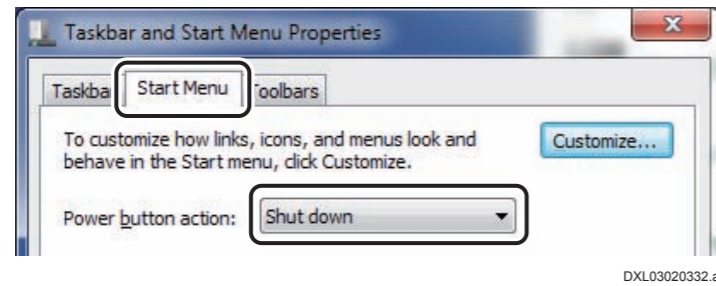
→ The “Notification Area Icons” window opens.

5. Place a checkmark to “Always show all icons and notifications on the taskbar” and click .



→ The system returns to the “Taskbar and Start Menu Properties” window.

6. Select the “Start Menu” tab and select “Shut down”.





7. Click  .

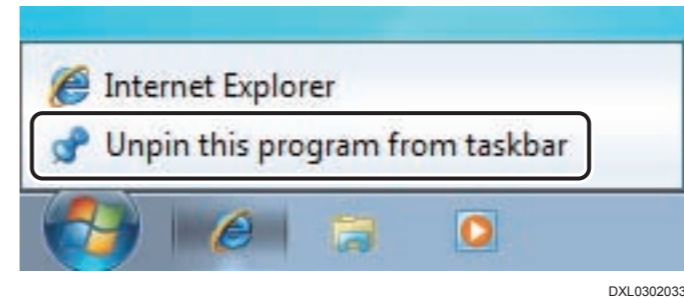
→ The system returns to the “All Control Panel Items” window.

8. Close the “All Control Panel Items” window.




→ The system returns to the desktop screen.

■ Hiding icons on the taskbar

- 1. Select “Unpin this program from taskbar” from the right-click menu of  at the right side of  on the taskbar.**



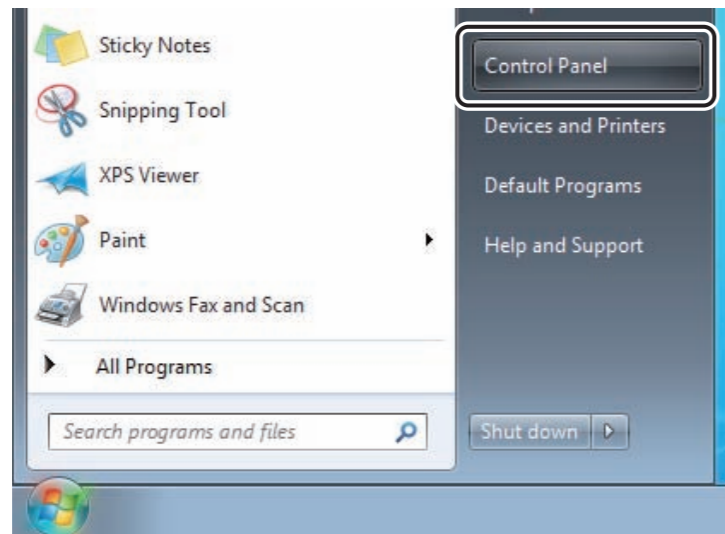
→ The icon hides.

- 2. Perform step 1. for  and  at the right side of  on the taskbar.**

■ Setting the action center

Hide the confirmation message for security or maintenance.

1. Select “Control Panel” from the  menu.

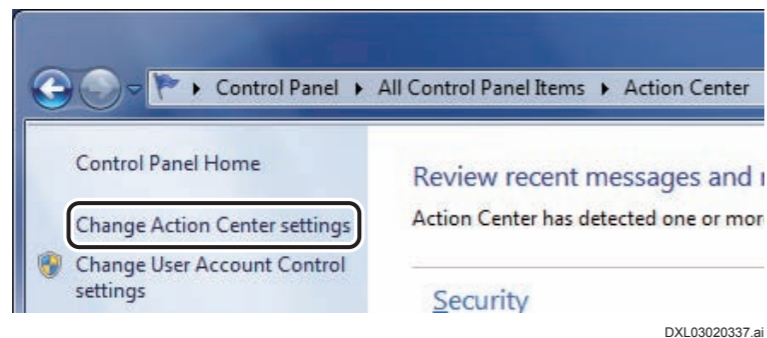


→ The “All Control Panel Items” window opens.

2. Click  .

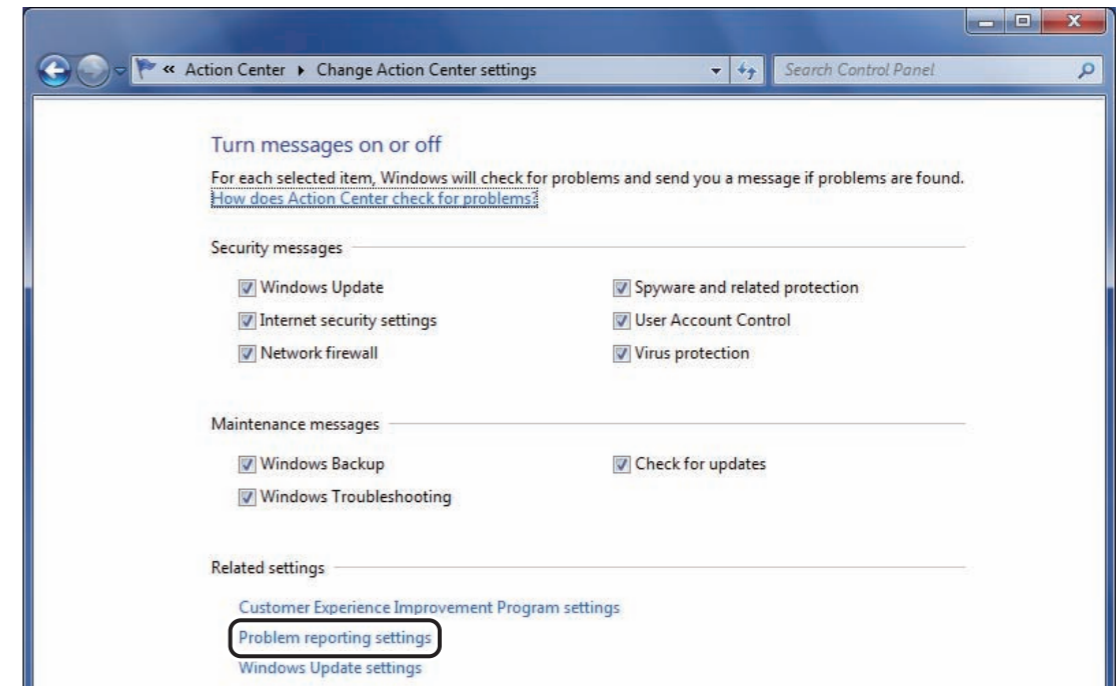
→ The “Action Center” window opens.

3. Select “Change Action Center settings”.



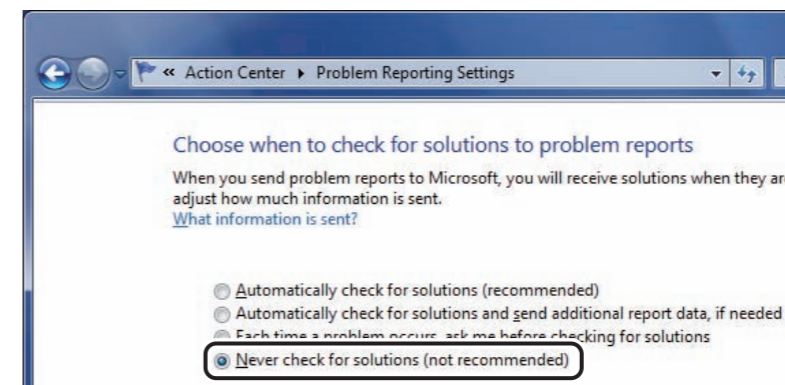
→ The “Change Action Center settings” window opens.

4. Select “Problem reporting settings”.



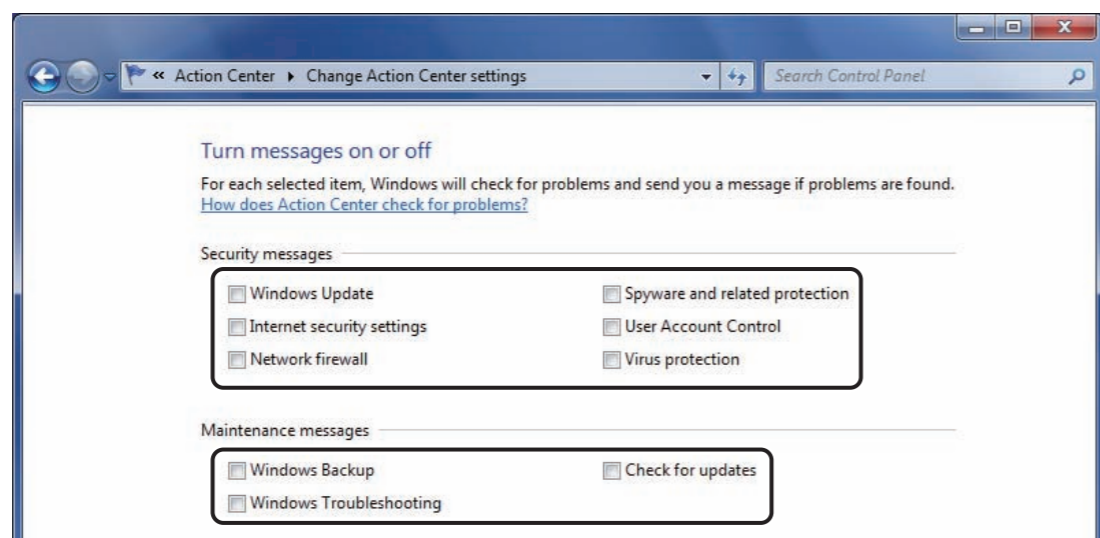
→ The “Problem Reporting Settings” window opens.

5. Select “Never check for solutions” and click  .



→ The system returns to the “Change Action Center settings” window.

6. Remove all checkmarks and click  .



→ The system returns to the “Action Center” window.

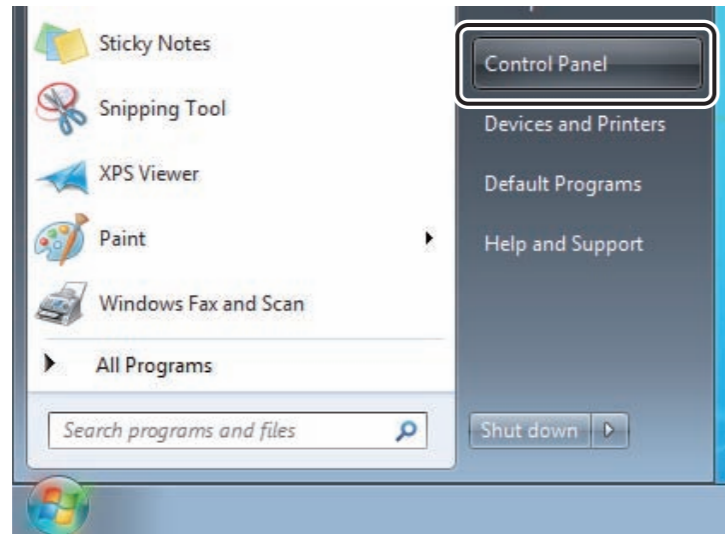
7. Close the “Action Center” window.

→ The system returns to the desktop screen.

■ Setting the automatic OS update

Cancel settings for automatic OS (Windows 7) update as follows.

1. Select “Control Panel” from the menu.



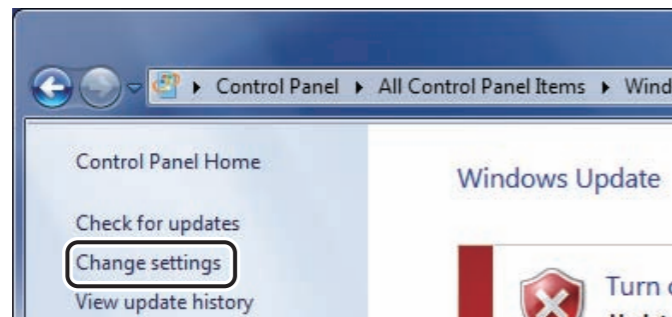
DXL03020336.ai

→ The “All Control Panel Items” window opens.

2. Click Windows Update .

→ The “Windows Update” window opens.

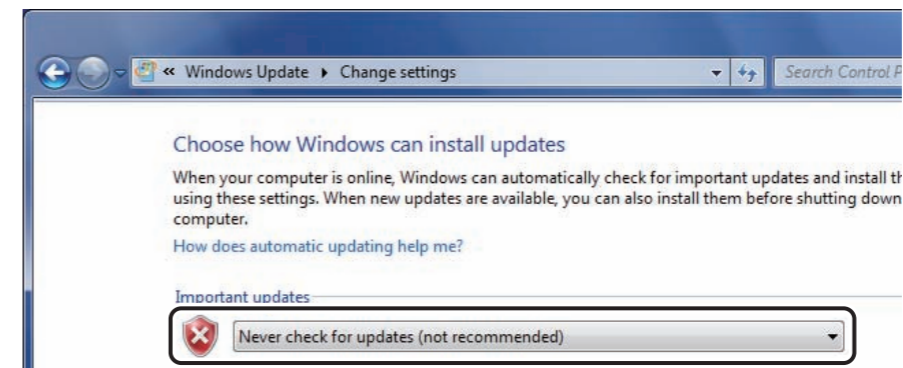
3. Select “Change Settings”.



DXL03020341.ai

→ The “Change settings” window opens.

4. Select “Never check for updates” and click .



DXL03020342.ai

→ The system returns to the “Windows Update” window.

5. Close the “Windows Update” window.

→ The system returns to the desktop screen.

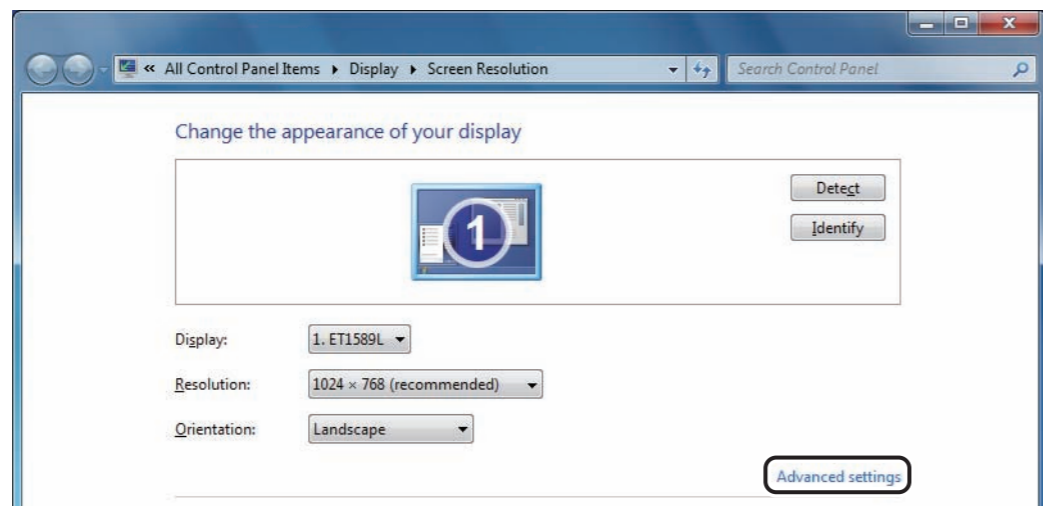
■ Setting the monitor size

Change the monitor size to “1024 by 768, True Color (32 bit), 60 Hertz” as follows.

1. Select “Screen resolution” from the right-click menu on the desktop.

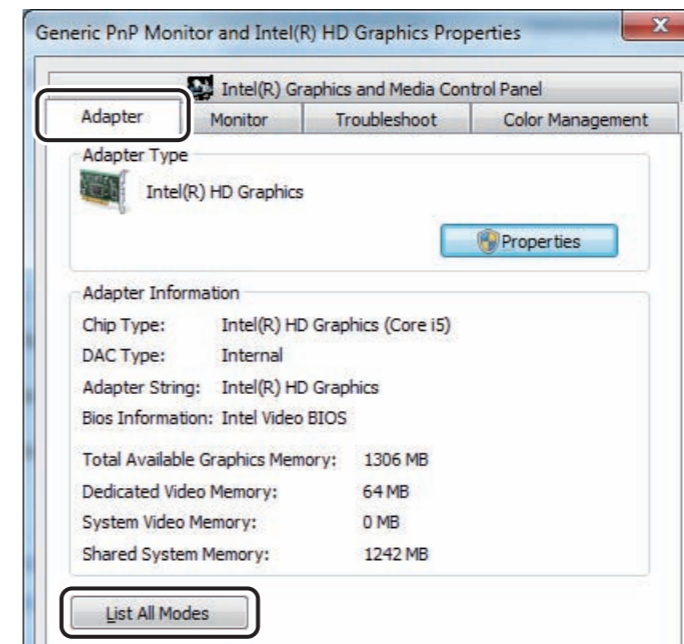
→ The “Screen Resolution” window opens.

2. Click “Advanced settings”.



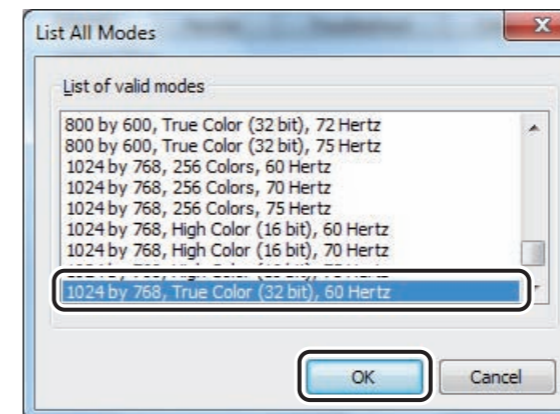
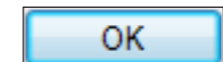
→ The monitor properties window opens.

3. Select the “Adapter” tab and click .



→ The “List All Modes” window opens.

4. Select “1024 by 768, True Color (32 bit), 60 Hertz” and click



→ The system returns to the monitor properties window.

5. Click .

→ The system returns to the “Screen Resolution” window.

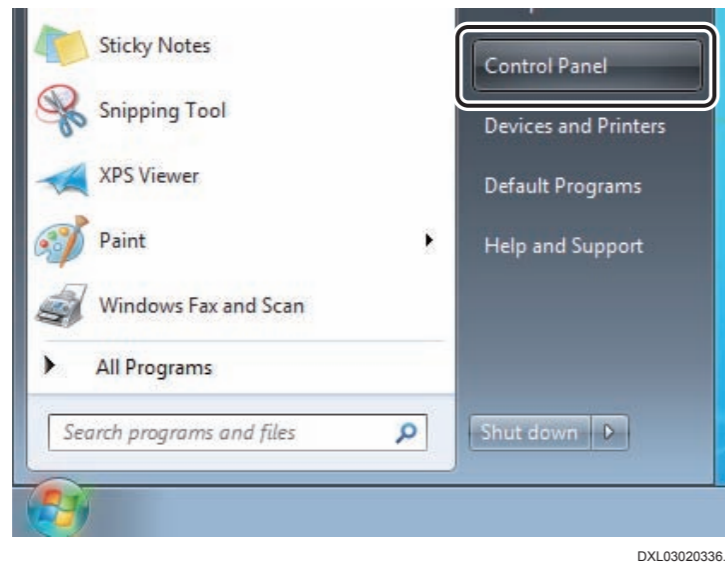
6. Click .

→ The system returns to the desktop screen.

■ Setting the visual effects

Hiding the windows contents while dragging.

1. Select “Control Panel” from the  menu.



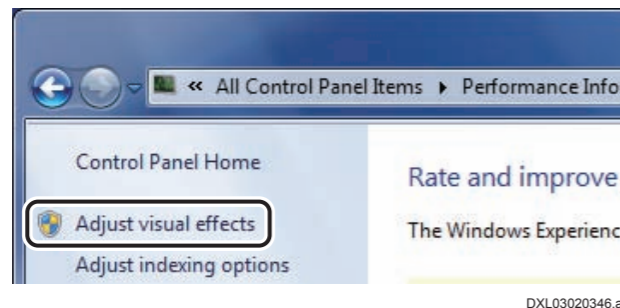
DXL03020336.ai

→ The “All Control Panel Items” window opens.

2. Click  Performance Information and Tools .

→ The “Performance Information and Tools” window opens.

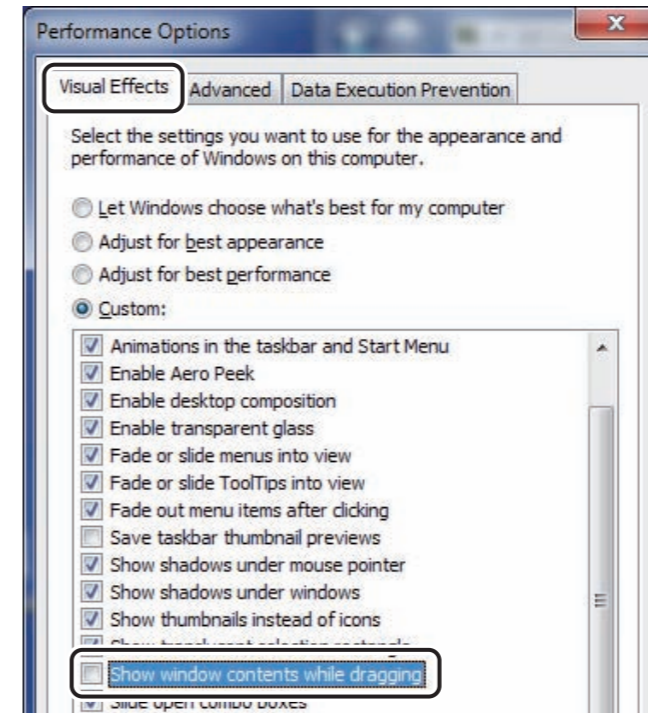
3. Select “Adjust visual effects”.



DXL03020346.ai

→ The “Performance Options” window opens.

4. Remove the checkmark from “Show window contents while dragging” on the “Visual Effects” tab and click  .



DXL03020347.ai

→ The system returns to the “Performance Information and Tools” window.

5. Close the “Performance Information and Tools” window.

→ The system returns to the desktop screen.

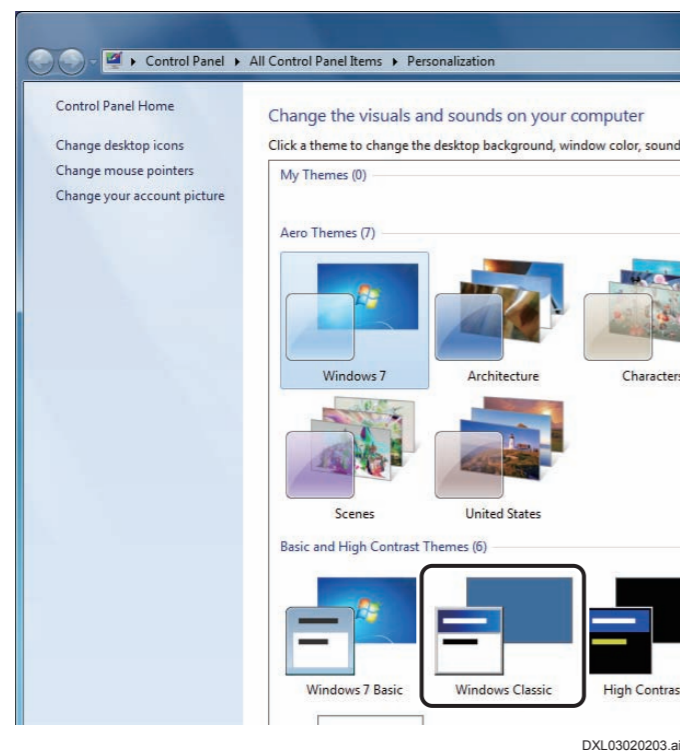
■ Setting the screen properties

Change the screen properties settings from “Windows 7” to “Windows Classic”.

1. Select “Personalization” from the right-click menu on the desktop.

→ The “Personalization” window opens.

2. Select “Windows Classic”.



→ The screen properties settings change to classic view.

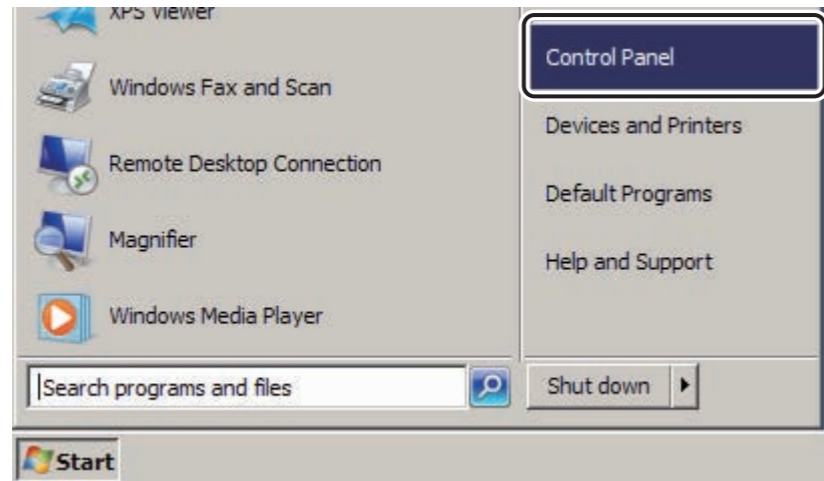
3. Close the “Personalization” window.

→ The system returns to the desktop screen.

■ Setting the automatic window arrangement

Disable the automatic adjustment function of window size.

1. Select “Control Panel” from the  menu.

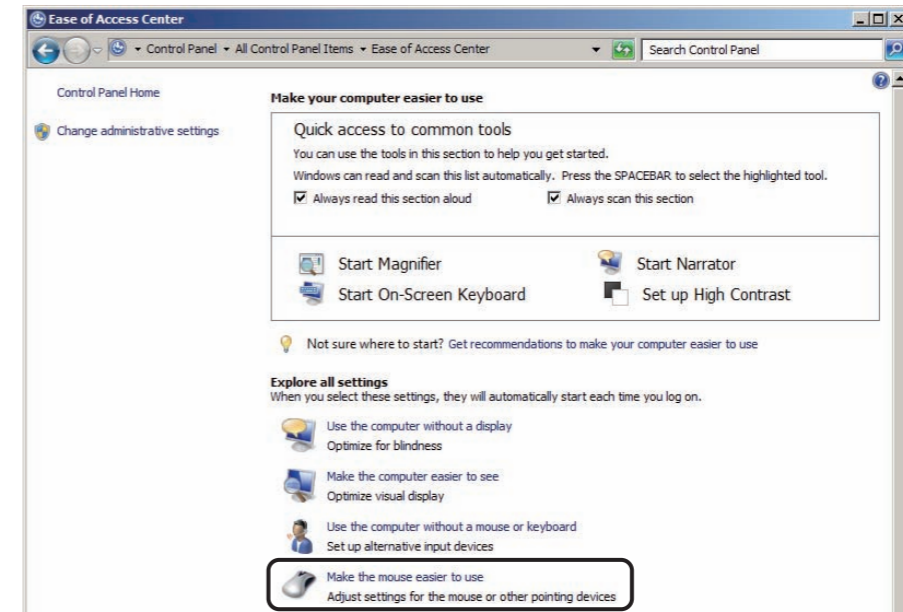


→ The “All Control Panel Items” window opens.


2. Click  Ease of Access Center .

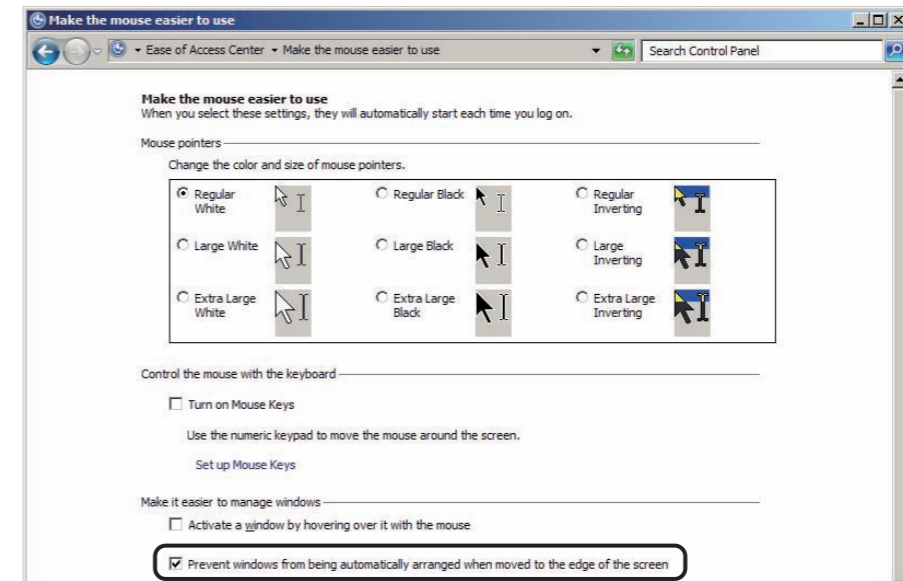
→ The “Ease of Access Center” window opens.

3. Select “Make the mouse easier to use”.



→ The “Make the mouse easier to use” window opens.

4. Place a checkmark to “Prevent windows from being automatically arranged when moved to the edge of the screen” and click  .



→ The system returns to the “Ease of Access Center” window.

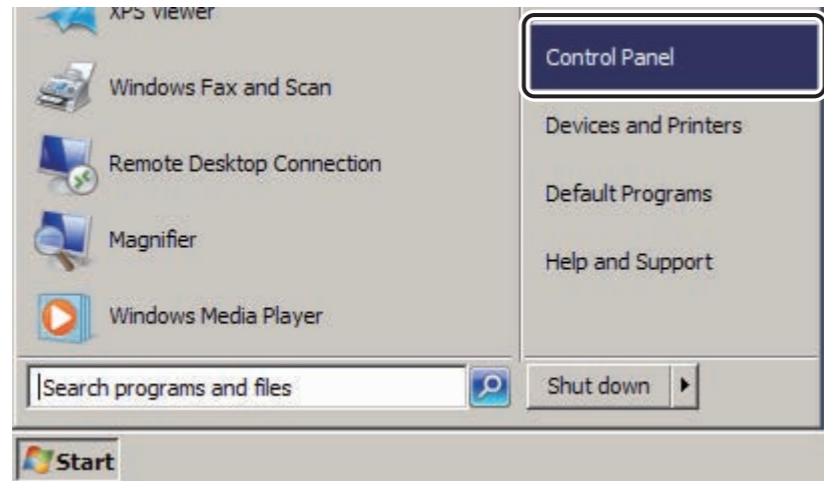
5. Close the “Ease of Access Center” window.

→ The system returns to the desktop screen.

■ Setting the power options

Changing the power options for PC and HD drives.

1. Select “Control Panel” from the  menu.



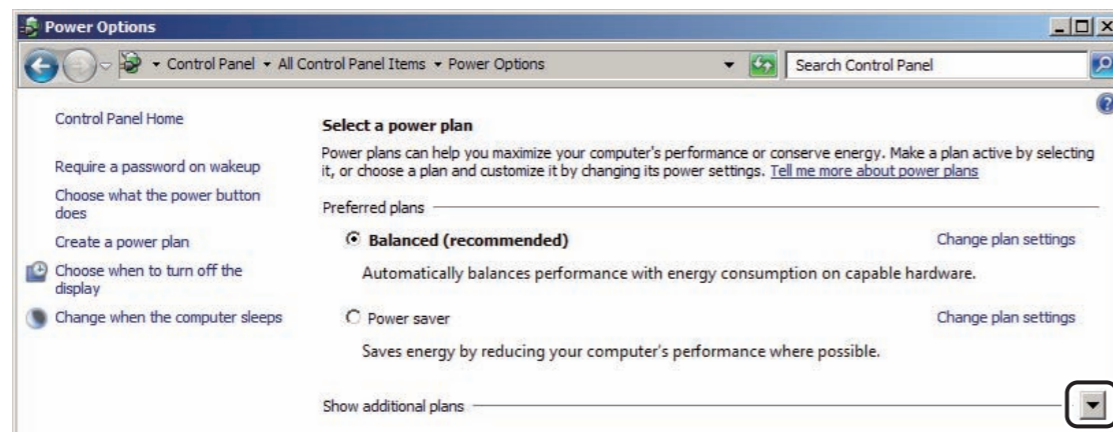
DXL03020210.ai

→ The “All Control Panel Items” window opens.

2. Click  **Power Options**.

→ The “Power Options” window opens.

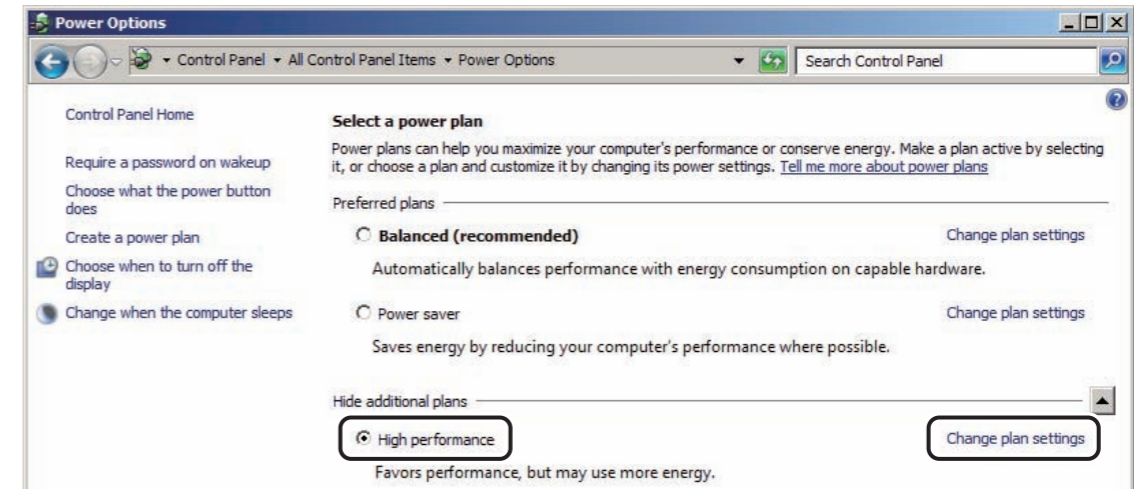
3. Click  at the right side of “Show additional plans”.



DXL03020227.ai

→ An additional plan displays.

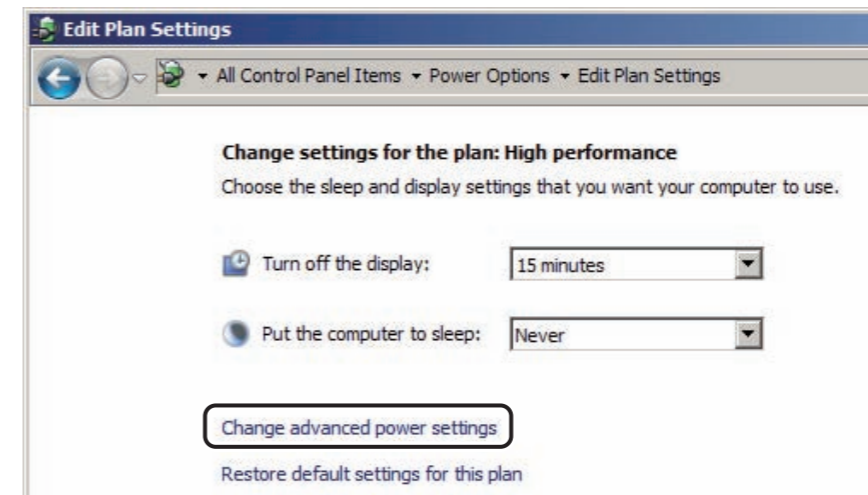
4. Select “High performance” and click “Change plan settings”.



DXL03020228.ai

→ The “Edit Plan Settings” window opens.

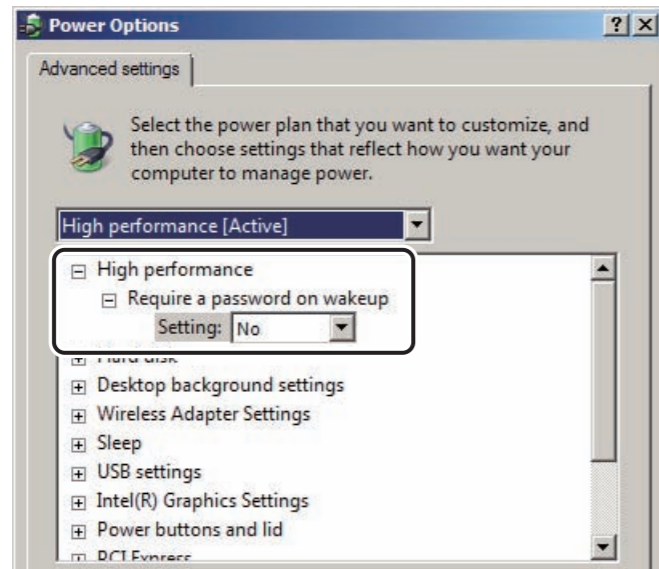
5. Select “Change advanced power settings”.



DXL03020229.ai

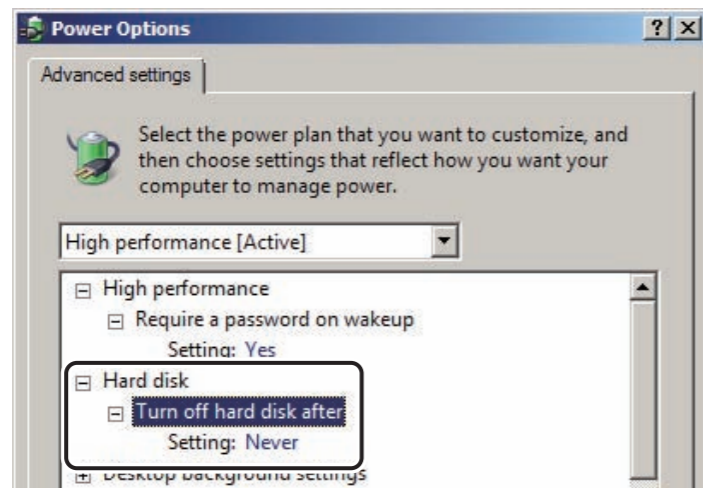
→ The advanced settings window opens.

6. Select “High performance” and “Require a password on wakeup”, and then select “No”.



D80C010304012.ai

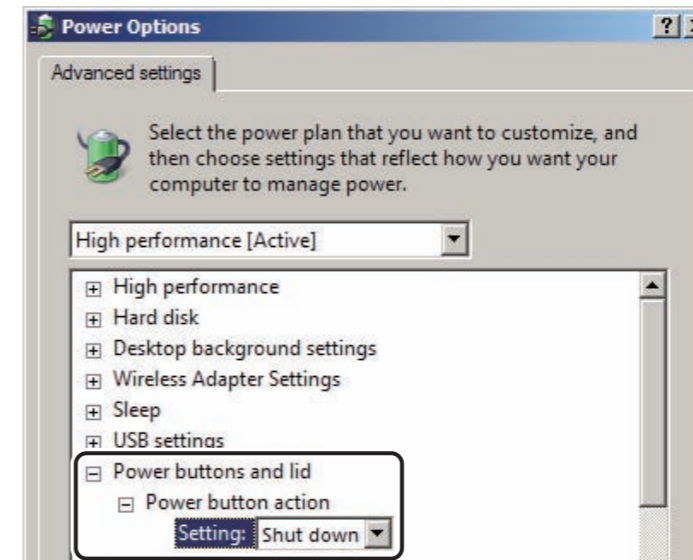
7. Select “Hard disk” and “Turn off hard disk after”, and then set to “Never”.



DXL03020230.ai

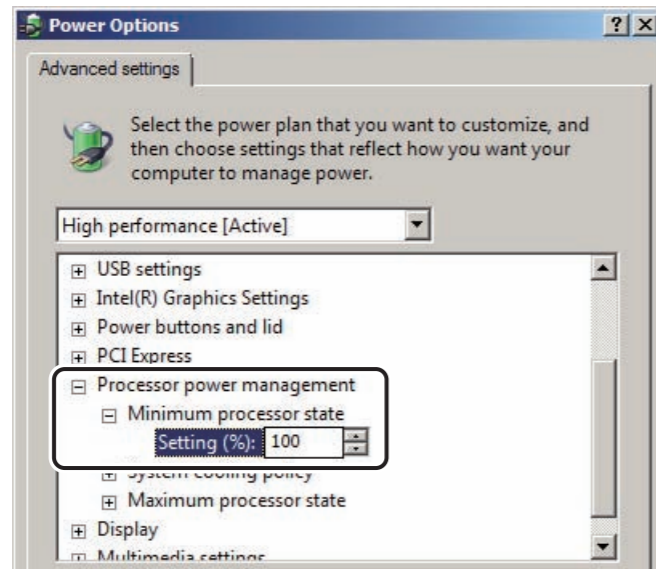
8. Select “USB Settings” and “USB selective suspend setting”, and then select “Disable”.

9. Select “Power buttons and lid” and “Power button action”, and then select “Shut down”.



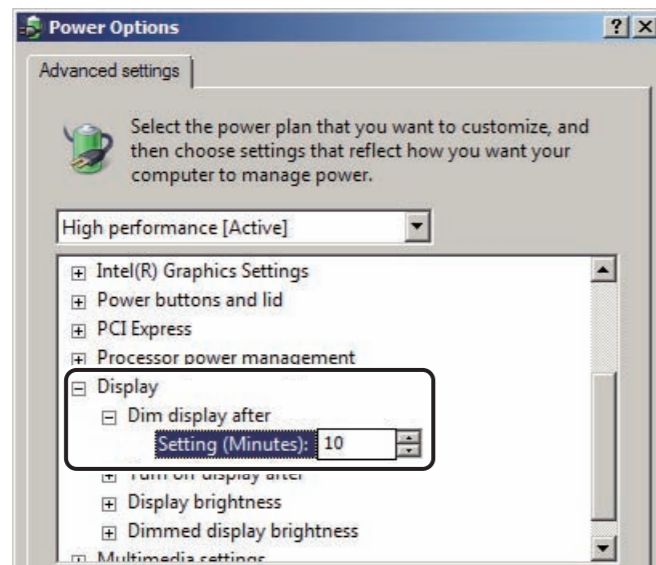
DXL03020231.ai

10. Select “Processor power management” and “Minimum processor state”, and then set to “100”.



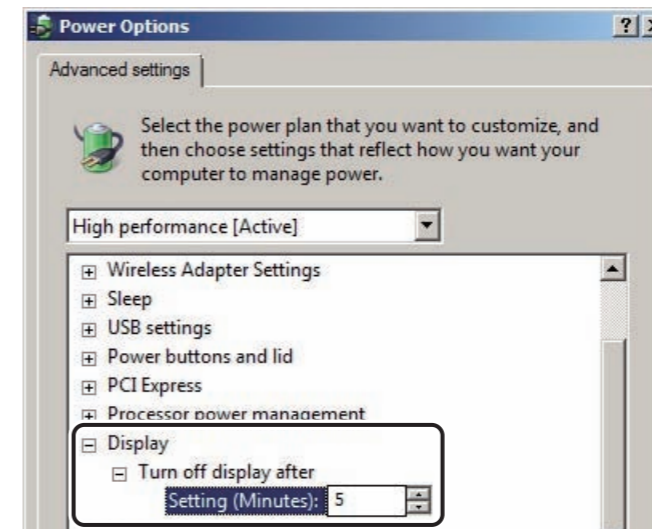
D80C010304013.ai

11. Select “Display” and “Dim display after”, and then set to “0”.



D80C010304014.ai

12. Select “Display” and “Turn off display after”, and then set to “5”.



D80C010202003.ai

13. Click **OK**.

→ The system returns to the “Edit plan settings” window.

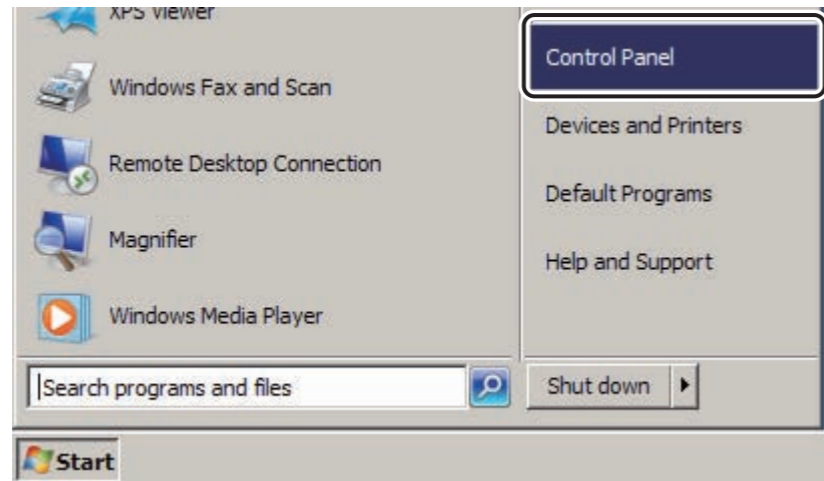
14. Close the “Edit plan settings” window.

→ The system returns to the desktop screen.

■ Setting the Internet time

Disabling synchronization with an Internet time server.

1. Select “Control Panel” from the  menu.



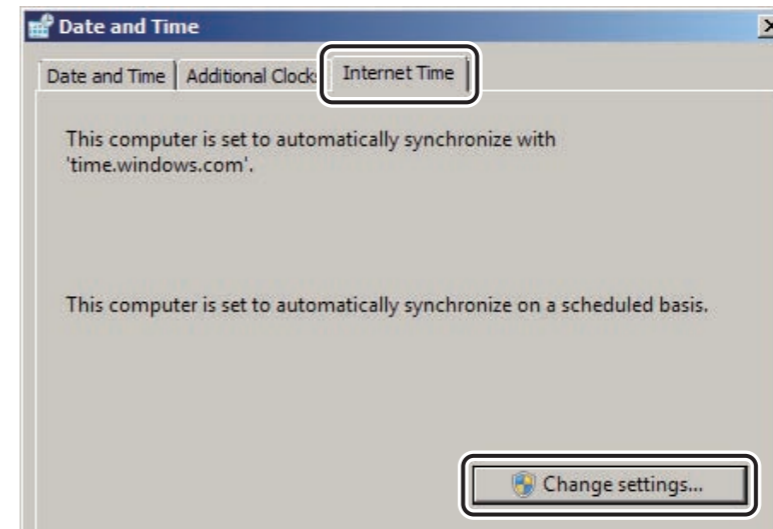
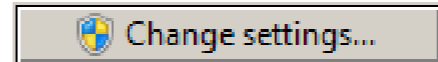
DXL03020210.ai

→ The “All Control Panel Items” window opens.

2. Click  **Date and Time** .

→ The “Date and Time” window opens.

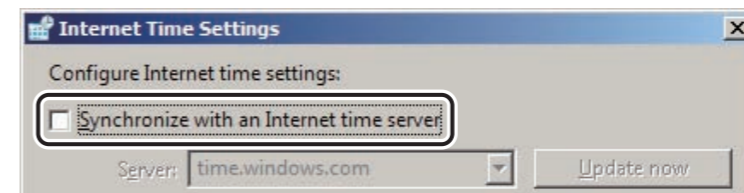
3. Select the “Internet Time” tab and click



DXL03020233.ai

→ The “Internet Time Settings” window opens.

4. Remove checkmark from “Synchronize with an Internet time server” and click  .



DXL03020234.ai

→ The system returns to the “Date and Time” window.

5. Click  .

→ The system returns to the “All Control Panel Items” window.

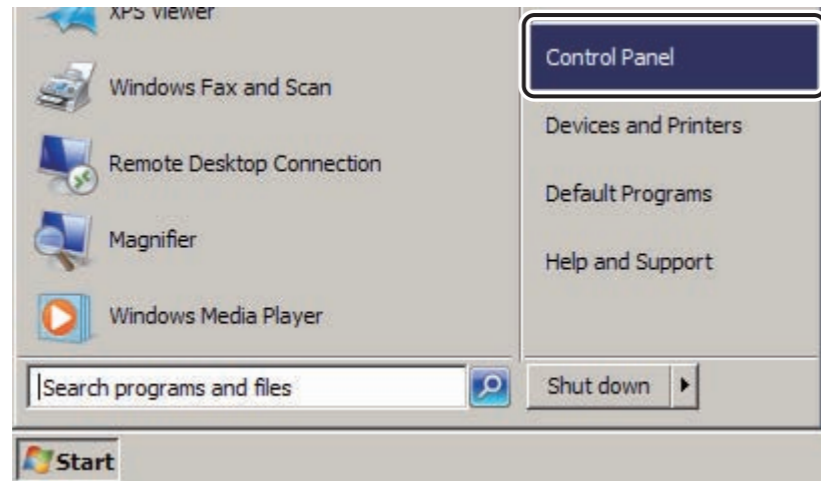
6. Close the “All Control Panel Items” window.

→ The system returns to the desktop screen.

■ Canceling settings for simplified file sharing

Disabling use of the sharing wizard.

1. Select “Control Panel” from the  menu.



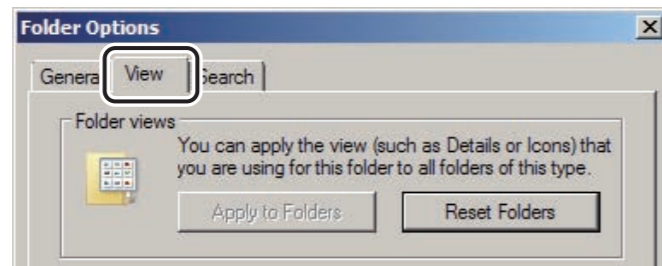
DXL03020210.ai

→ The “All Control Panel Items” window opens.

2. Click  **Folder Options**.

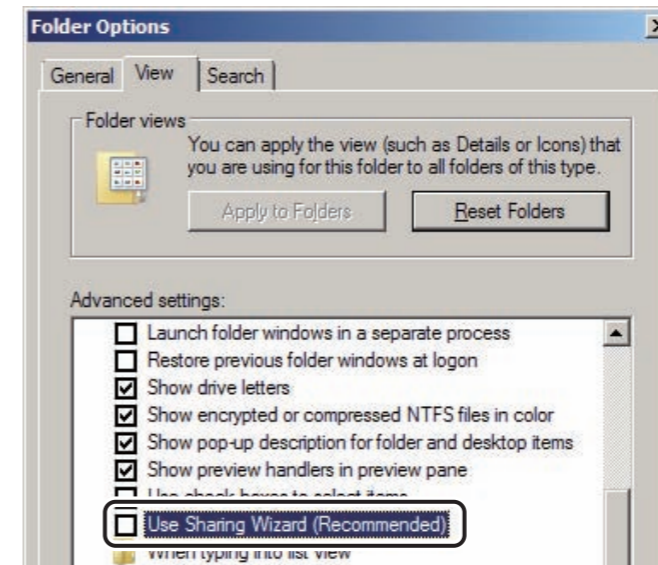
→ The “Folder Options” window opens.

3. Select the “View” tab.



DXL03020225.ai

4. Remove the checkmark from “Use Sharing Wizard” and click .



DXL03020226.ai

→ The system returns to the “All Control Panel Items” window.

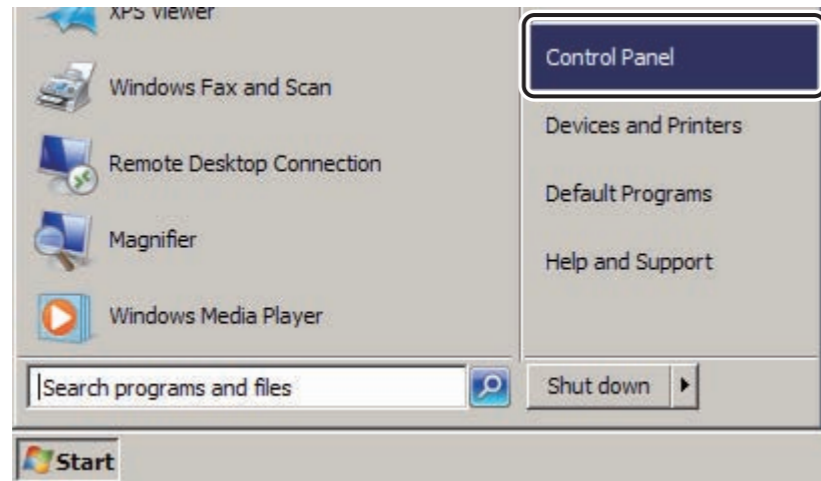
5. Close the “All Control Panel Items” window.

→ The system returns to the desktop screen.

■ Addition of components

Installing additional Windows components.

1. Select “Control Panel” from the  menu.



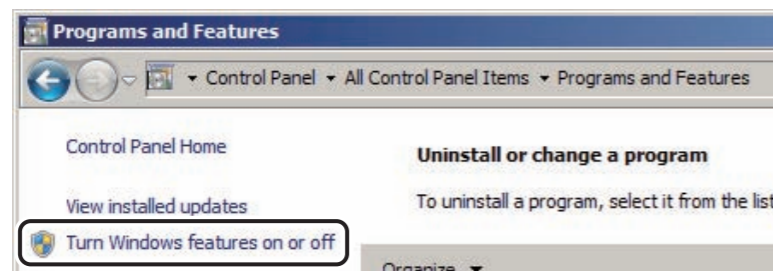
DXL03020210.ai

→ The “All Control Panel Items” window opens.

2. Click  Programs and Features .

→ The “Programs and Features” window opens.

3. Select “Turn Windows features on or off”.

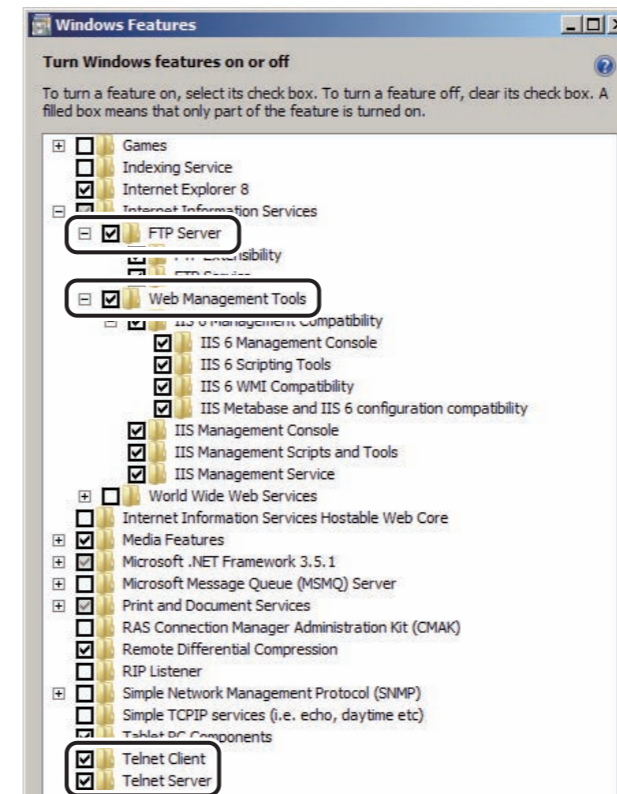


DXL03020257.ai

→ The “Windows Features” window opens.

4. Place a checkmark to the following items.

- “Internet Information Services” — “FTP Server” and all of items under “FTP Server”
- “Internet Information Services” — “Web Management Tools” and all of items under “Web Management Tools”
- “Telnet Client”
- “Telnet Server”



D80C010202004.ai

➔ REFERENCE

- “” indicates an item to be installed.
- “” indicates installation of some items of the lower level.
- When a check box is checked, all items in lower levels are selected at the same time.
- If the restart is requested after the installation, restart the PC.

5. Click  .

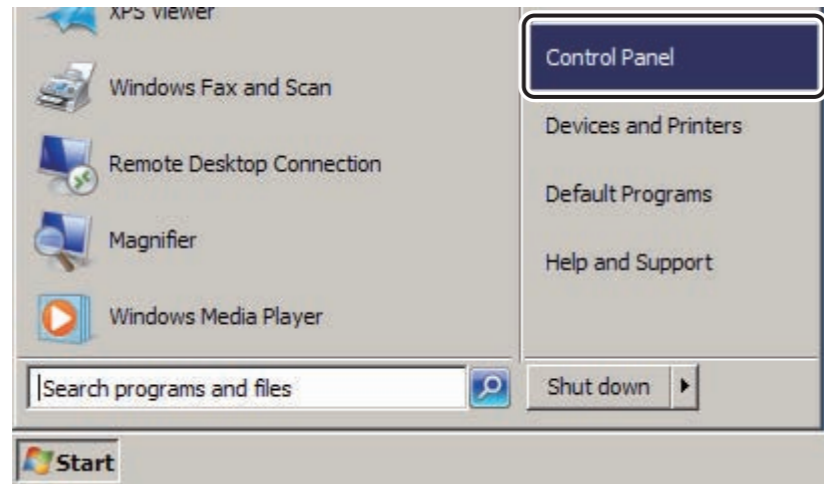
→ The installation processing starts.
Upon completion of installation, the system returns to the “Programs and Features” window.

6. Close the “Programs and Features” window.

→ The system returns to the desktop screen.

■ Setting the service

1. Select “Control Panel” from the  menu.



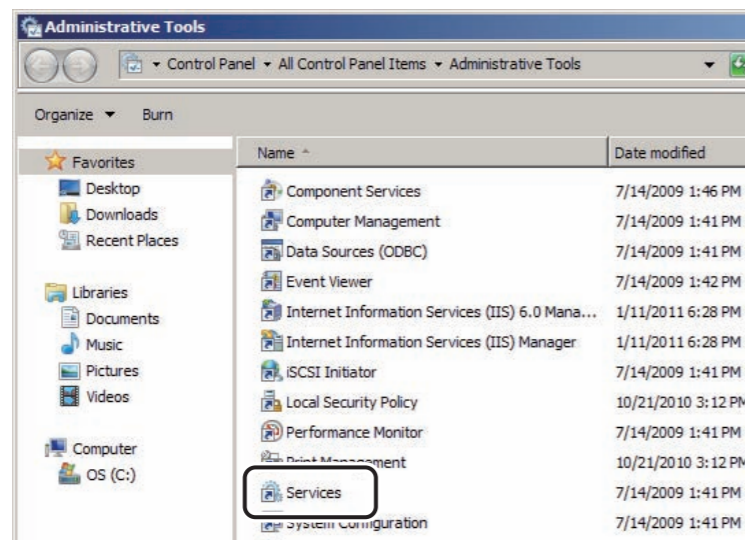
DXL03020210.ai

→ The “All Control Panel Items” window opens.

2. Click  **Administrative Tools**.

→ The “Administrative Tools” window opens.

3. Double-click “Service”.



DXL03020321.ai

→ The “Service” window opens.

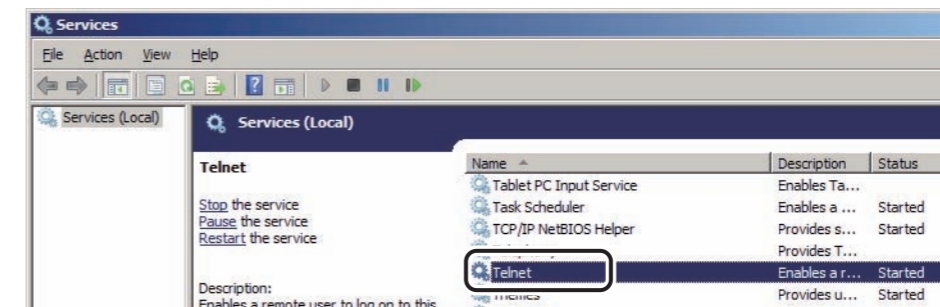
4. Right-click “Microsoft Software Shadow Copy Provider” and select “Properties”.

→ The “Microsoft Software Shadow Copy Provider Properties (Local Computer)” window opens.

5. Select “General” tab and “Disable” from the “Startup type” pull-down menu, and then click .


→ The system returns to the “Service” window.

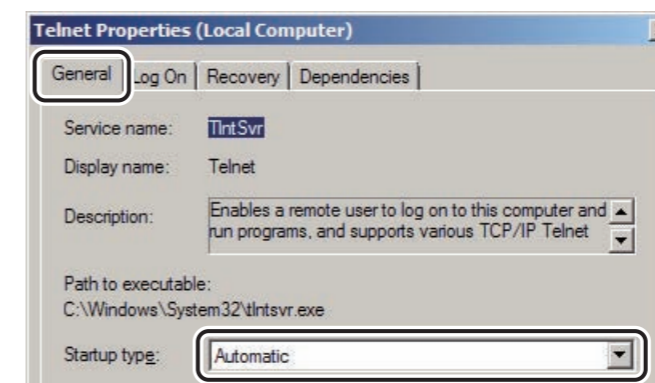
6. Right-click “Telnet” and select “Properties”.



D80C010304015.ai

→ The “Telnet Properties (Local Computer)” window opens.

7. Select “General” tab and “Automatic” from the “Startup type” pull-down menu, and then click .




D80C010304016.ai

→ The system returns to the “Service” window.

8. Right-click “Volume Shadow Copy” and select “Properties”.

→ The “Volume Shadow Copy Properties (Local Computer)” window opens.

9. Select “General” tab and “Disable” from the “Startup type” pull-down menu, and then click .

→ The system returns to the “Service” window.

10. Close the “Service” window.

→ The system returns to the “Administrative Tools” window.

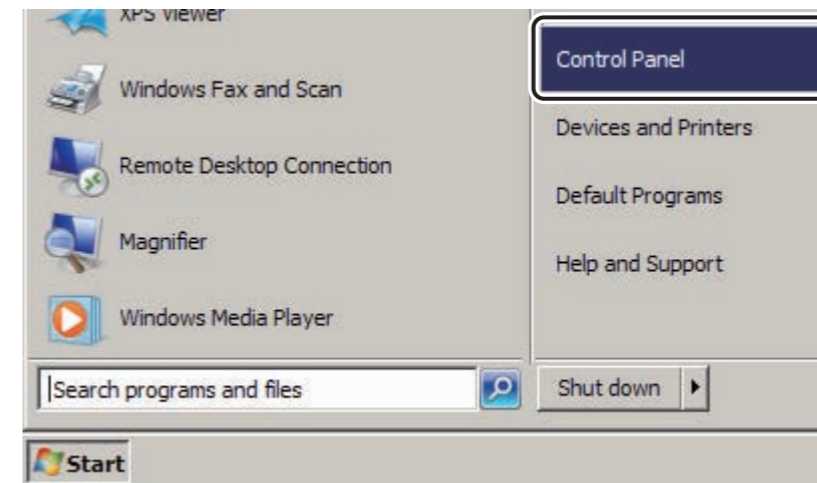
11. Close the “Administrative Tools” window.

→ The system returns to the desktop screen.

■ Disabling the scheduler

Disable the scheduling settings for Defrag, Time Synchronization, and Windows Error Reporting.

1. Select “Control Panel” from the  menu.



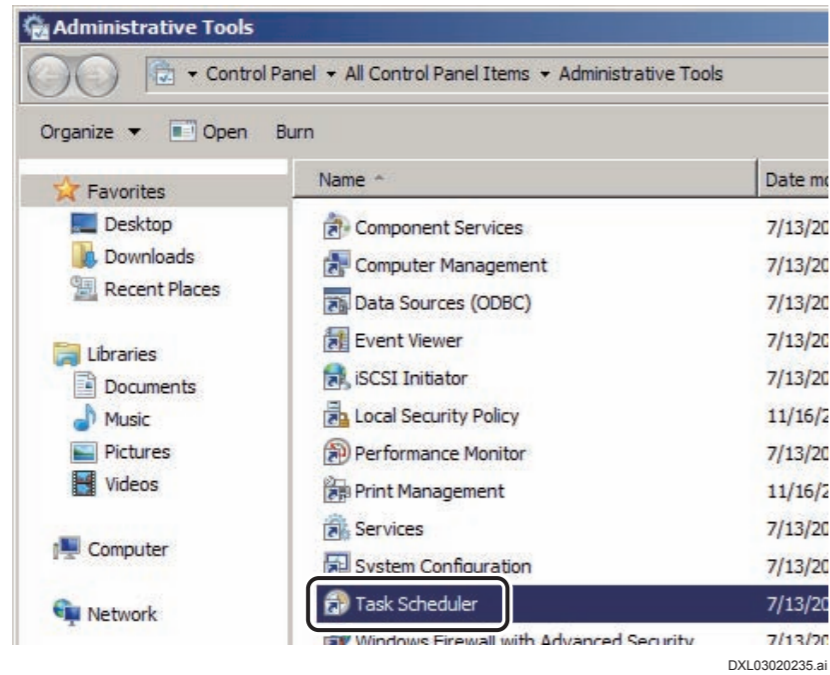
DXL03020210.ai

→ The “All Control Panel Items” window opens.

2. Click  **Administrative Tools .**

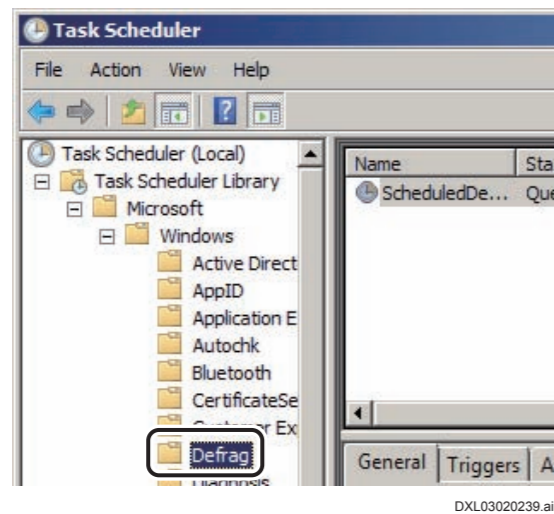
→ The “Administrative Tools” window opens.

3. Double-click “Task Scheduler”.

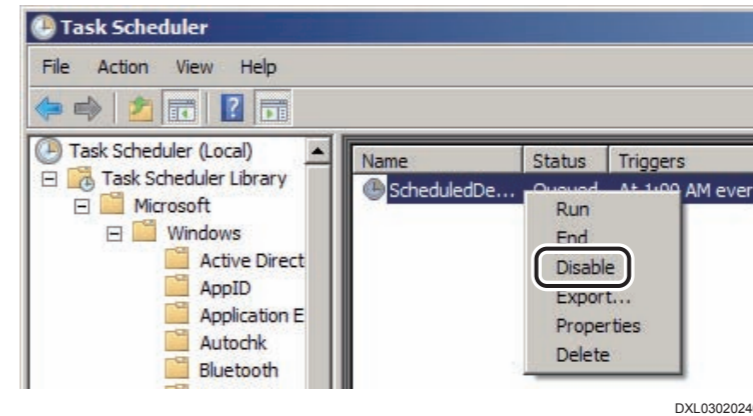


→ The “Task Scheduler” window opens.

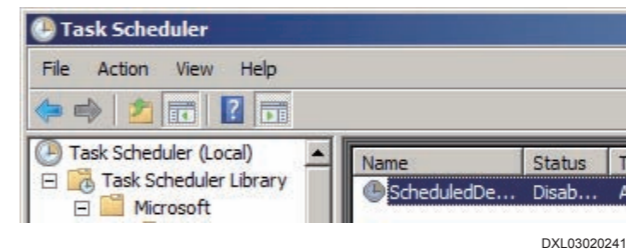
4. Select “Task Scheduler Library” — “Microsoft” — “Windows” — “Defrag”.



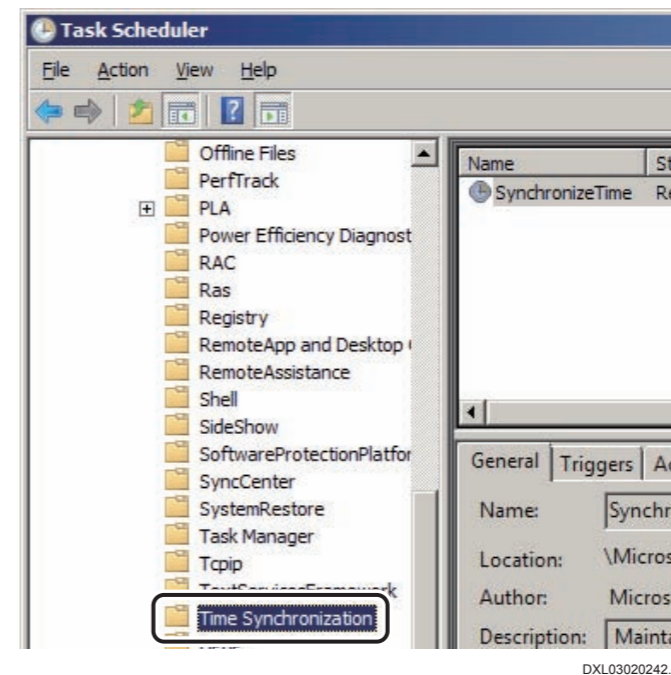
5. Right-click “ScheduledDefrag” and select “Disable”.



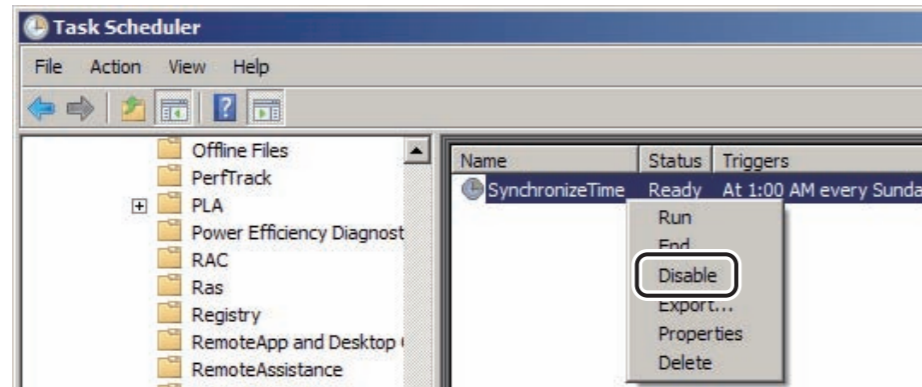
→ The “Status” of “ScheduledDefrag” changes to “Disable”.



6. Select “Task Scheduler Library” — “Microsoft” — “Windows” — “Time Synchronization”.

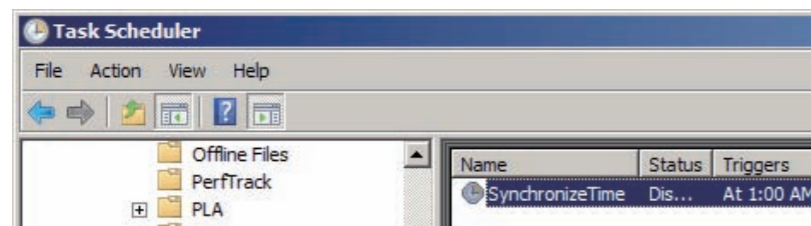


7. Right-click “SynchronizeTime” and select “Disable”.



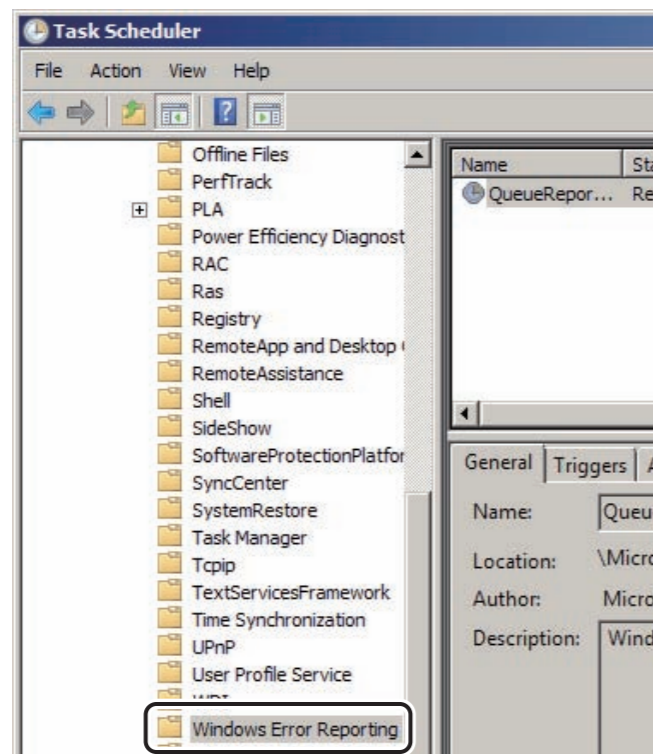
DXL03020243.ai

→ The “Status” of “SynchronizeTime” changes to “Disable”.



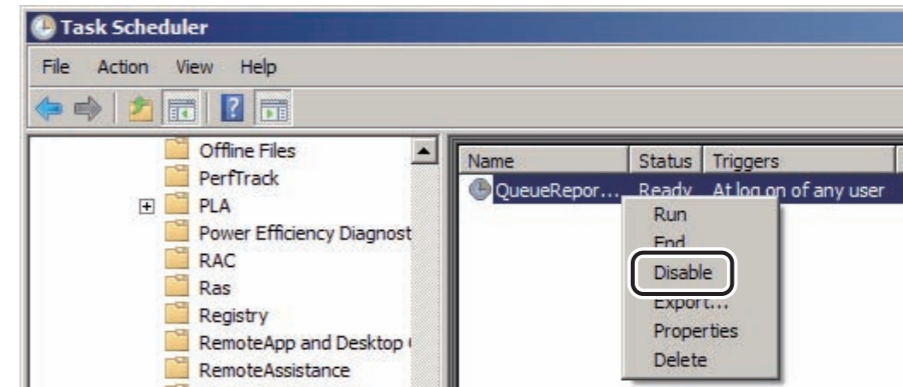
DXL03020244.ai

8. Select “Task Scheduler Library” — “Microsoft” — “Windows” — “Windows Error Reporting”.



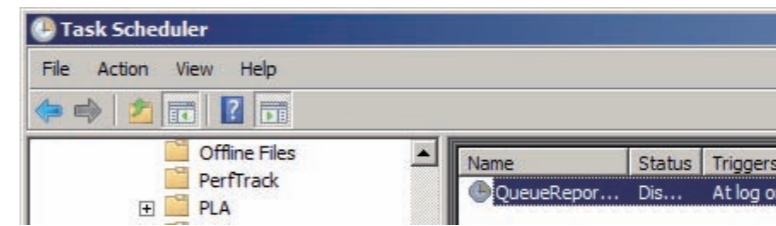
DXL03020245.ai

9. Right-click “QueueReporting” and select “Disable”.



DXL03020246.ai

→ The “Status” of “QueueReporting” changes to “Disable”.



DXL03020247.ai

10. Close the “Task Scheduler” window.

→ The system returns to the “Administrative Tools” window.

11. Close the “Administrative Tools” window.

→ The system returns to the “All Control Panel Item” window.

12. Close the “All Control Panel Item” window.

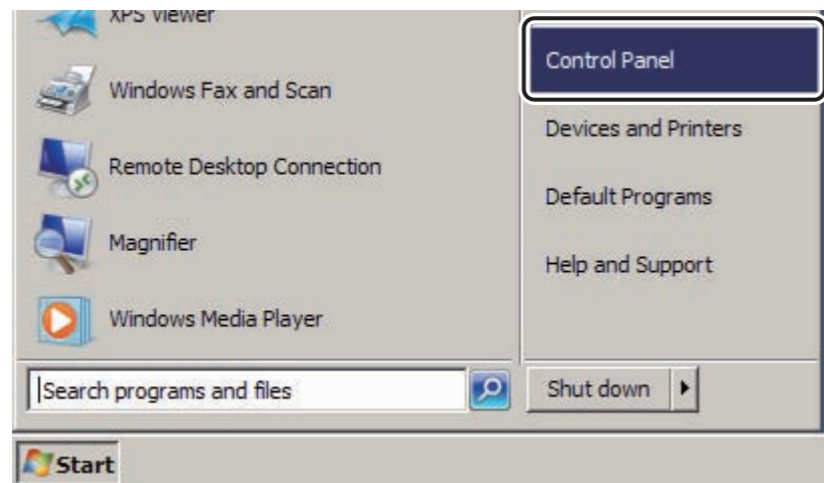
→ The system returns to the desktop screen.

■ Confirmation of decimal symbol and digit grouping symbol (other than Japanese)

If the “Current format” has been changed to a language other than “Japanese” in Regional and Language Options, confirm the decimal symbol, the digit grouping symbol and display leading zeros.

- Decimal Symbol : “.” (period)
- Digit grouping Symbol: “,” (comma)
- Display leading zeros : 0.7

1. Select “Control Panel” from the  menu.

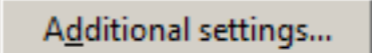


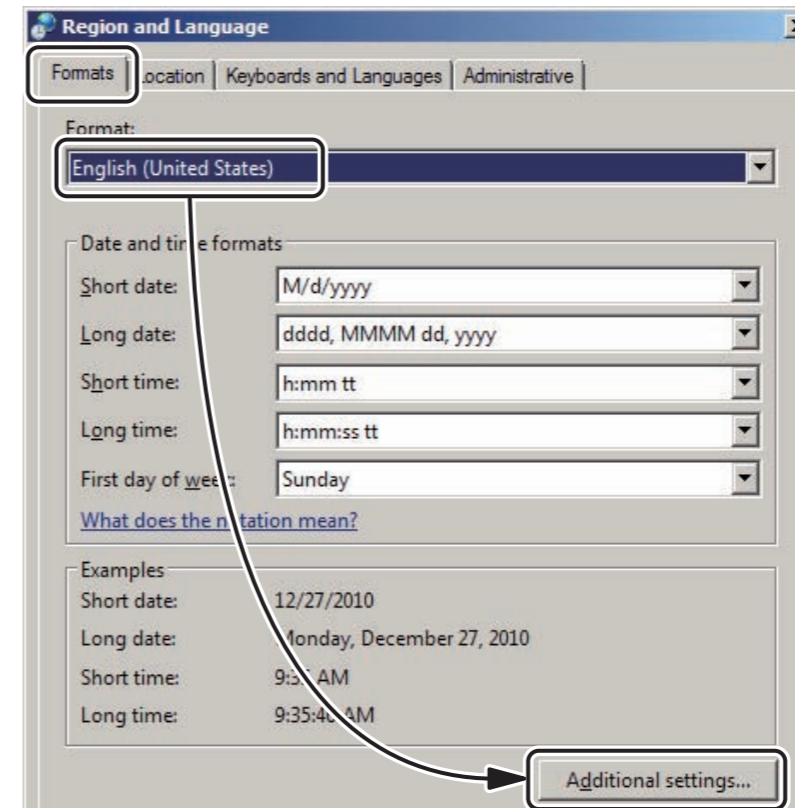
DXL03020210.ai

→ The “All Control Panel Items” window opens.

2. Click  **Region and Language** .

→ The “Region and Language” window opens.

3. Select the “Format” tab and confirm that a language other than “Japanese” has been selected in the “Current Format” and click  .

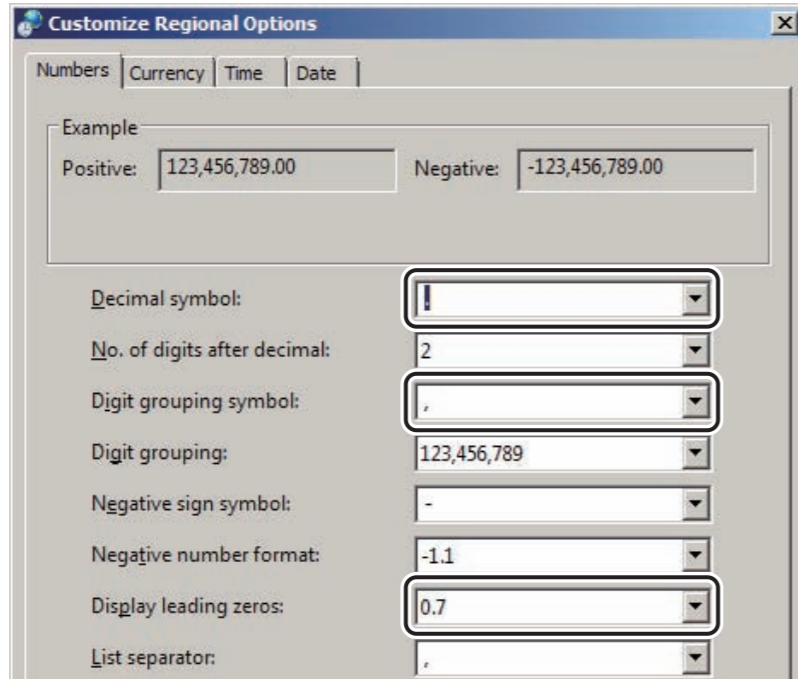


DXL03020291.ai

→ The “Customize Regional Options” window opens.

4. Select “Numbers” tab and confirm the following settings.

- Decimal Symbol : “.” (period)
- Digit grouping Symbol : “,” (comma)
- Display leading zeros : 0.7



DXL03020320.ai

6. Click .

→ The system returns to the “Region and Language” window.

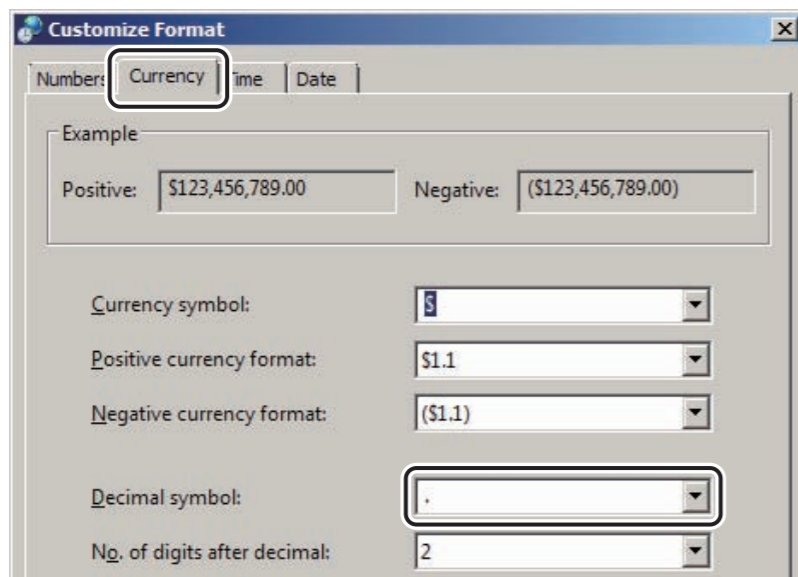
7. Click .

→ The system returns to the “All Control Panel Items” window.

8. Close the “All Control Panel Items” window.

→ The system returns to the desktop screen.

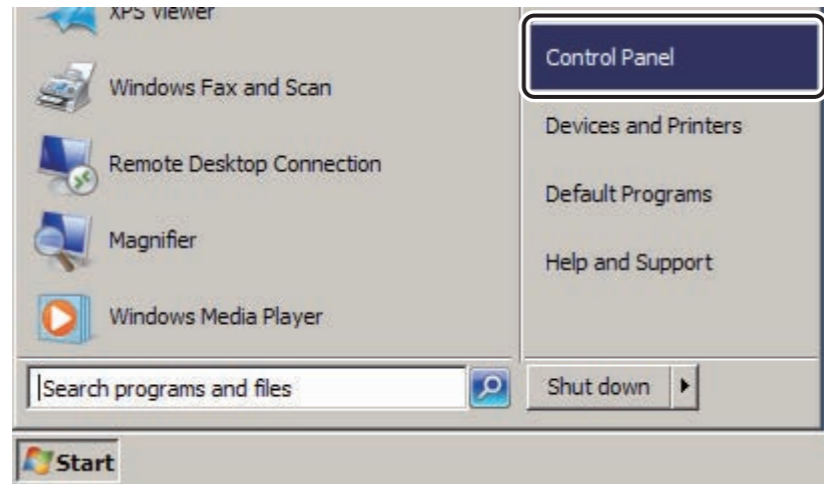
5. Select “Currency” tab and set “Decimal symbol” to “.” (period).



DXCL070302006.ai

■ Checking the Device Manager

1. Select “Control Panel” from the  menu.



DXL03020210.ai

→ The “All Control Panel Items” window opens.

2. Click  **Device Manager** .

→ The “Device Manager” window opens.

3. Check that the yellow “!” mark is not displayed.

4. Close the “Device Manager” window.

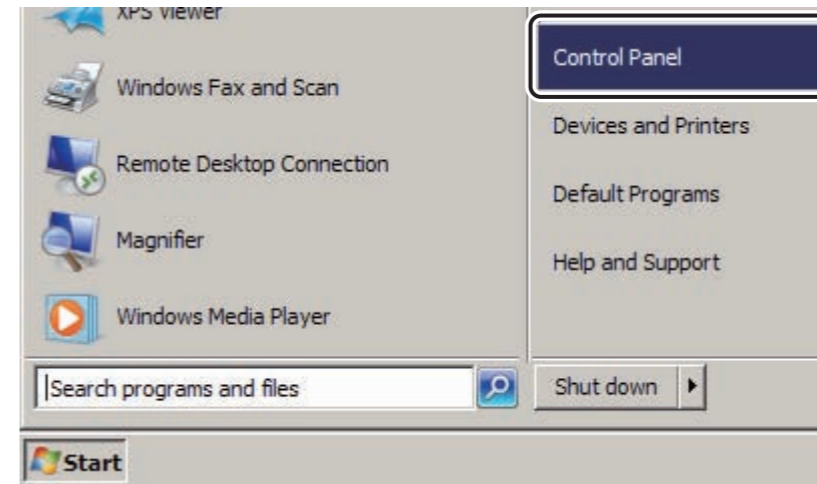
→ The system returns to the “All Control Panel Items” window.

5. Close the “All Control Panel Items” window.

→ The system returns to the desktop screen.

■ Changing the COM2 port settings

1. Select “Control Panel” from the  menu.



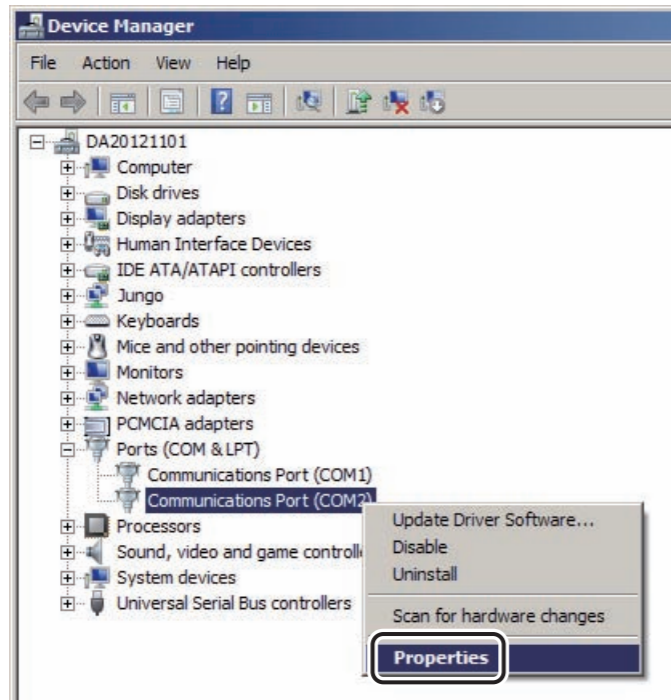
DXL03020210.ai

→ The “All Control Panel Items” window opens.

2. Click  **Device Manager** .

→ The “Device Manager” window opens.

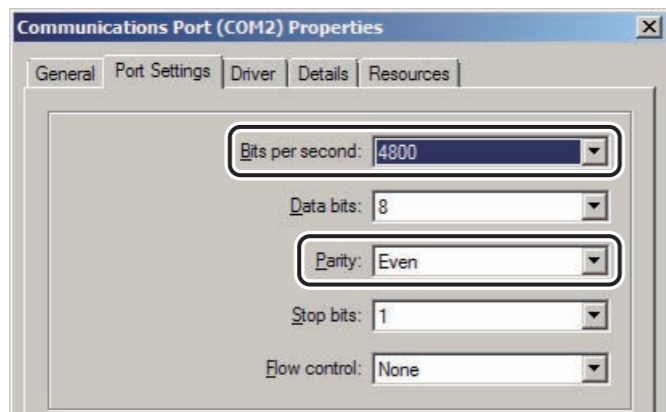
3. Right-click “Communications Port (COM2)” under “Ports (COM & LPT)”, and select “Properties”.



→ The “Communications Port (COM2) Properties” window opens.

4. Select “Port Settings” tab, and perform the following settings.

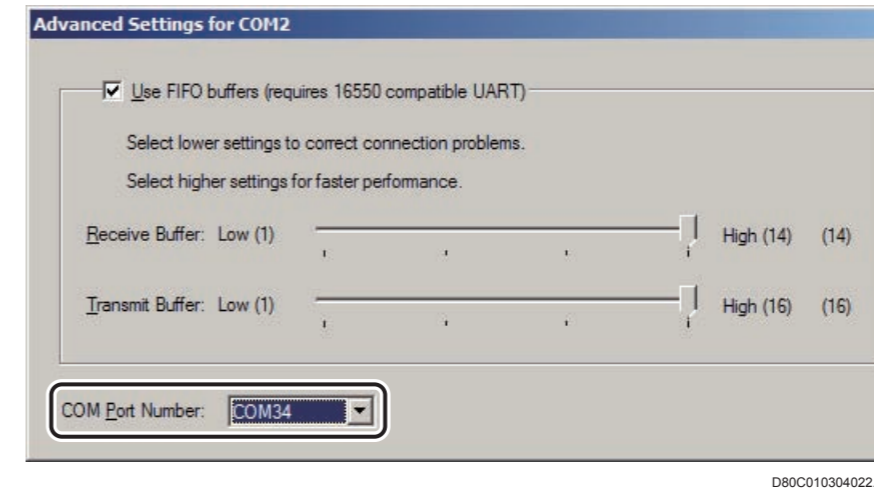
Bits per second : 4800
Parity : Even



5. Click [Advanced].

→ The system returns to the “Advanced Settings for COM2” window.

6. Set to the “COM Port Number” to “COM34”, and click [OK].



→ The system returns to the “Communications Port (COM34) Properties” window.

7. Click [OK].

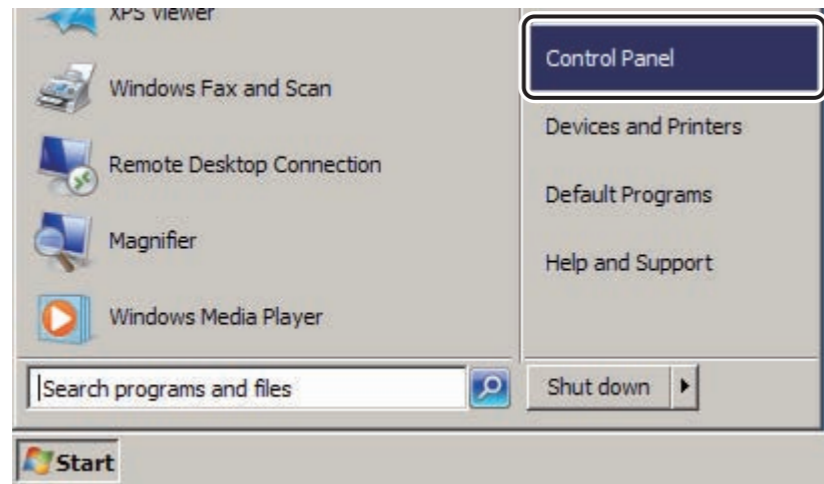
→ The system returns to the “All Control Panel Items” window.

8. Close the “All Control Panel Items” window.

→ The system returns to the desktop screen.

■ Setting the touch panel driver

1. Select “Control Panel” from the  menu.



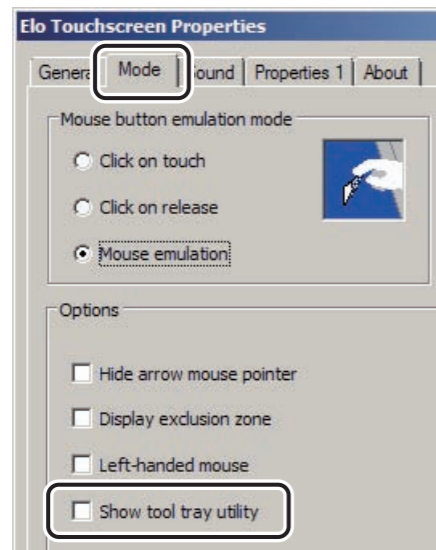
DXL03020210.ai

→ The “All Control Panel Items” window opens.

2. Click  .

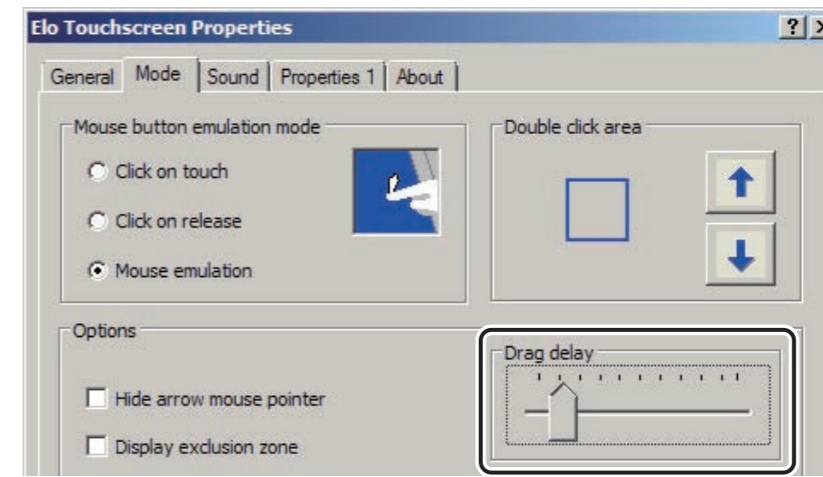
→ The “Elo Touchscreen Properties” window opens.

3. Select “Mode” tab, and remove the checkmark from “Show tool tray utility” in “Options”.



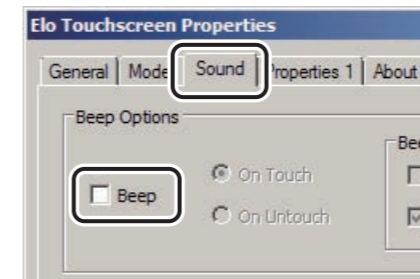
D80C010304023.ai

4. Move the slider in the “Drag delay” area to the second scale from left.



D80C010304025.ai

5. Select “Sound” tab, remove the checkmark from “Beep” in “Beep Options”, and click [OK].



D80C010304024.ai

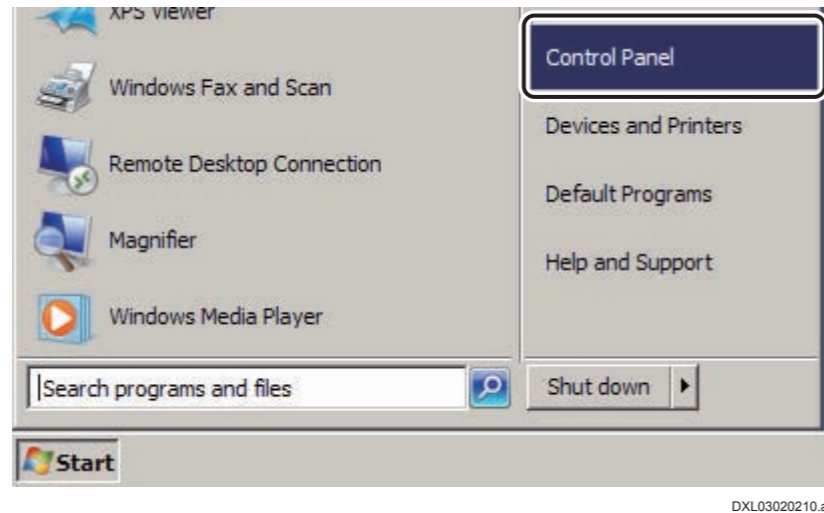
→ The system returns to the “All Control Panel Items” window.

6. Close the “All Control Panel Items” window.

→ The system returns to the desktop screen.

■ Setting the Intel Graphics and Media Control Panel

1. Select “Control Panel” from the  menu.



→ The “All Control Panel Items” window opens.

2. Click  Intel(R) Graphics and Media .

→ The application mode selection window appears.

3. Perform the following settings, and click  .

- Application mode : Select “Advanced Mode”.
- Do not show this dialog again: Place a checkmark.

4. Select “Options and support” — “Hot Key Functionality”.

5. Remove the checkmark from “Enable”.

6. Select “Preferences”.

7. Remove the checkmark from following items, and click  .

- Profiles Warning Messages
- Tray Icon

→ The window for confirming if the settings have been applied appears.

8. Click  .

→ The system returns to the “All Control Panel Items” window.

9. Close the “All Control Panel Items” window.

→ The system returns to the desktop screen.

■ Setting the notification area

- 1. Double-click “Intel® Rapid Storage Technology” at the lower right corner of the window.**
 - The “Intel® Rapid Storage Technology” window opens.
- 2. Select “Preference” tab.**
- 3. Remove the checkmark from “Show the notification area icon” in “System Preference” area.**
 - The “Hide Notification Area Icon” window opens.
- 4. Click [Yes].**
 - The system returns to the “Intel® Rapid Storage Technology” window.
- 5. Close the “Intel® Rapid Storage Technology” window.**
 - The system returns to the desktop screen.

5. Setting Up the Monitor [Setting Done Prior to Shipment]

5.1 15" Monitor with Touch Panel

■ Adjusting the contrast and brightness

Adjust the display contrast and brightness as follows.

- Color : All Color
- Brightness : 0
- Contrast : 50
- Gamma : 1.0

6. Installing the Database Management System [Setting Done Prior to Shipment]

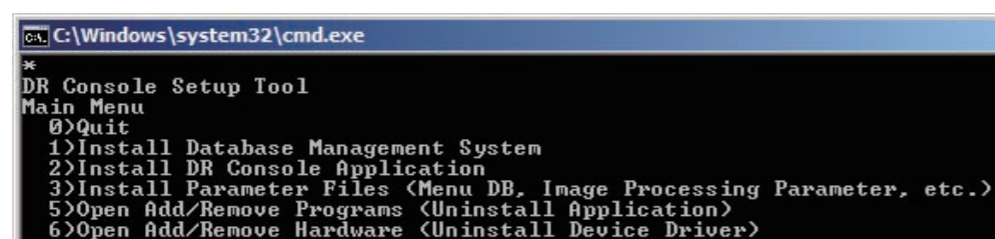
Install the Database Management System (SQL Server).
SQL Server is a database that manages the images and patient information handled by the DR-ID 800CL. If SQL Server is not installed, the DR-ID 800CL does not operate.

6.1 Installing SQL Server

1. Insert the DR-ID 800CL-AP Disk into the disk drive.
→ The “DR Console Setup Tool” main menu automatically opens.

◆ NOTE ◆

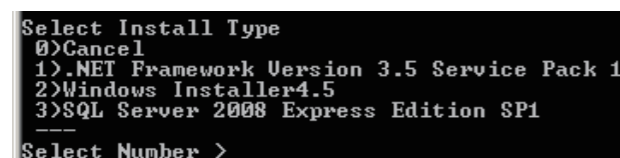
In case the installation start window does not open automatically, double-click the execution file (Setup.bat) in the Disk.



```
C:\Windows\system32\cmd.exe
*
DR Console Setup Tool
Main Menu
0)Quit
1)Install Database Management System
2)Install DR Console Application
3)Install Parameter Files (Menu DB, Image Processing Parameter, etc.)
5)Open Add/Remove Programs (Uninstall Application)
6)Open Add/Remove Hardware (Uninstall Device Driver)
```

DXL03040006.ai

2. Enter “1” and then press the <Enter> key.
→ The following window opens.

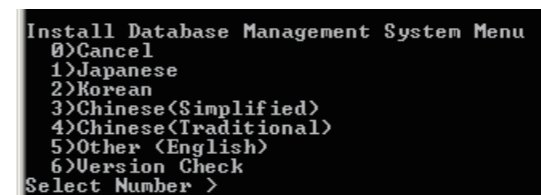


```
Select Install Type
0)Cancel
1) .NET Framework Version 3.5 Service Pack 1
2) Windows Installer4.5
3) SQL Server 2008 Express Edition SP1
Select Number >
```

DXL03040007.ai

3. Enter “3” and then press the <Enter> key.
→ The installation menu opens.

4. To install the Japanese version, enter “1”. To install the English version, enter “5”. Finalize your number entry by pressing the <Enter> key.



```
Install Database Management System Menu
0)Cancel
1)Japanese
2)Korean
3)Chinese (Simplified)
4)Chinese (Traditional)
5)Other (English)
6)Version Check
Select Number >
```

D80C010303001.ai

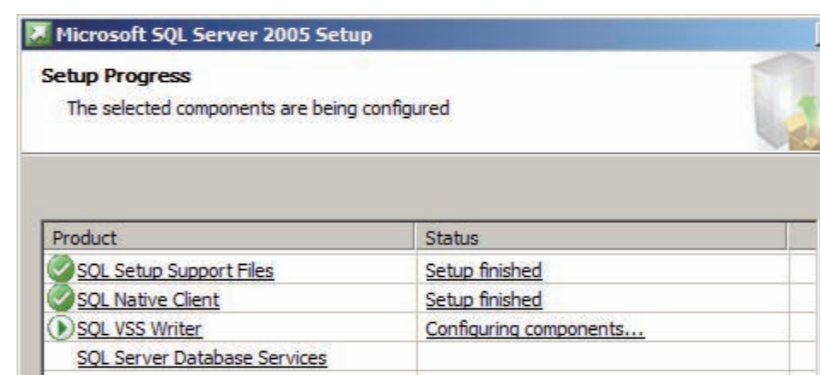
◆ NOTE ◆

When the “Installation Failed.” message is displayed and the system returns to the “DR Console Setup Tool” main menu, the installation fails. Select “1. Install Database Management System”, open the “Select Install Type” window, and re-execute the installation from step 1.

If the installation fails for five times, re-execute the procedures after “Restoring the HDD Image”.

☞ “1. Restoring the HDD Image”

- As indicated in the following window illustration, the SQL Server installation process progresses.



DXL303004.ai

◆ NOTE ◆

Do not click [Cancel] during installation processing.

- SQL Server installation processing completes in about ten minutes.

☞ REFERENCE

Choosing “6) Version Check” enables you to view the version information about SQL Server and service pack.

5. When the “Press any key to continue...” message appears, press the <Enter> key.

→ The command prompt will close.

6. Enter “0” and then press the <Enter> key.

→ The system exits “DR Console Setup Tool” and returns to the desktop screen.

7. Remove the Disk from the disk drive.

8. Restart the DR-ID 800CL to activate SQL Server.

7. Installing the DR-ID 800CL-AP

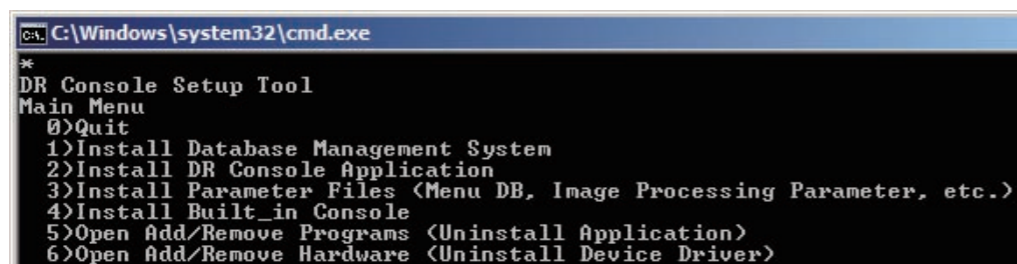
Install the DR-ID 800CL-AP and replace the menu database.
Installing the DR-ID 800CL-AP will automatically set up the wallpaper.

7.1 Installing the AP [Setting Done Prior to Shipment]

1. Install the DR-ID 800CL-AP Disk into the disk drive.
→ The “DR Console Setup Tool” main menu automatically opens.

◆ NOTE ◆

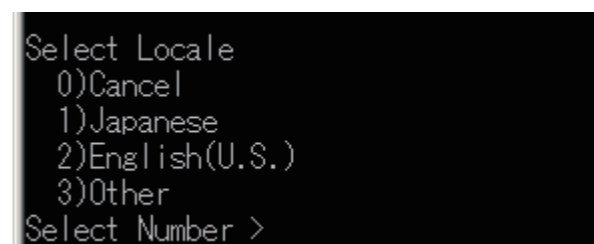
- In case the installation start window does not open automatically, double-click the execution file (Setup.bat) in the Disk.
- The items displayed in the “DR Console Setup Tool” vary with the versions of DR-ID 800CL.



```
C:\Windows\system32\cmd.exe
*
DR Console Setup Tool
Main Menu
0)Quit
1)Install Database Management System
2)Install DR Console Application
3)Install Parameter Files (Menu DB, Image Processing Parameter, etc.)
4)Install Built_in Console
5)Open Add/Remove Programs (Uninstall Application)
6)Open Add/Remove Hardware (Uninstall Device Driver)
```

RI000097.ai

2. Enter “2” and then press the <Enter> key.
→ The “Select Locale” window opens.



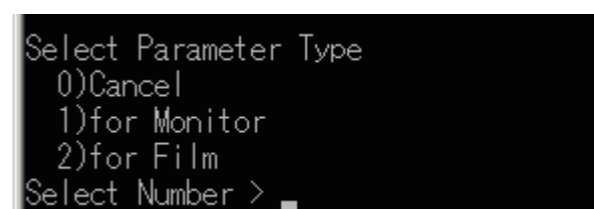
```
Select Locale
0)Cancel
1)Japanese
2)English(U.S.)
3)Other
Select Number >
```

DXCL080305001.ai

◆ NOTE ◆

For V7.0, the “Select Locale” window or the “Select Parameter Type” window does not open. Proceed to step 5.

3. Enter the item no. of a language you wish to set up and press the <Enter> key.
→ The “Select Parameter Type” window opens.



```
Select Parameter Type
0)Cancel
1)for Monitor
2)for Film
Select Number >
```

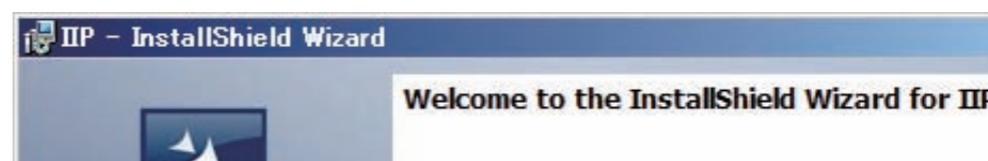
DXCL080305002.ai

4. Enter the item no. of a parameter type you wish to set up and press the <Enter> key.

➔ REFERENCE

The default setting value is “2)for film” (image processing parameter for film).

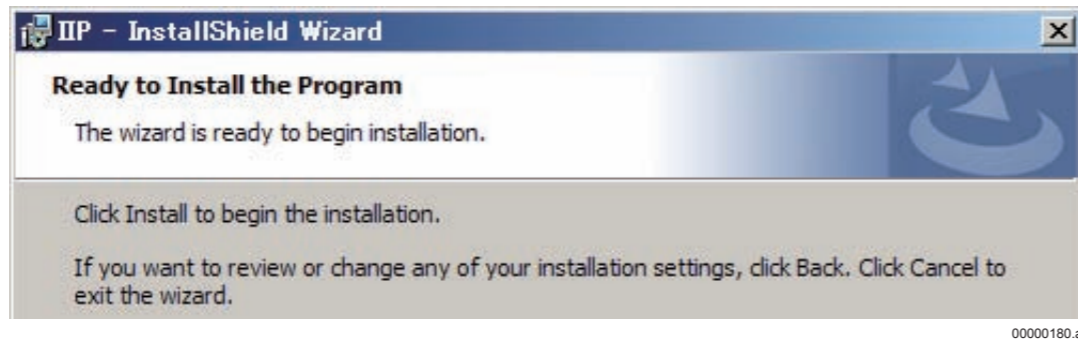
- The installer starts running and the “IIP/Welcome to the...” window opens.



00000178.ai

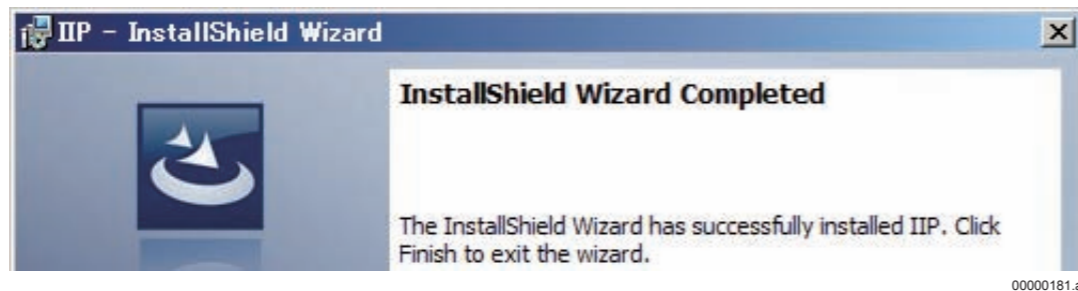
5. Click .

→ The “IIP - InstallShield Wizard/Ready to Install the Program” window opens.



6. Click .

→ Installation processing ends in a few minutes and a window like that shown below opens to indicate successful completion of the installation.



7. Click .

→ The system returns to the “DR Console Setup Tool” main menu.

8. Enter “0” and press the <Enter> key.

→ The system returns to the desktop screen.

9. Remove the Disk from the disk drive.

7.2 Replacing the Menu Database [Item to be Set at Installation]

Exposure menus that can be installed will differ depending on the language of the OS on which the DR-ID 800CL-AP is installed. To change an exposure menu or image processing parameter, the menu database must be changed following individual procedures.

◆ NOTE ◆

Note that exposure menu and selector settings will revert to the default if a menu database is replaced.

➔ REFERENCE

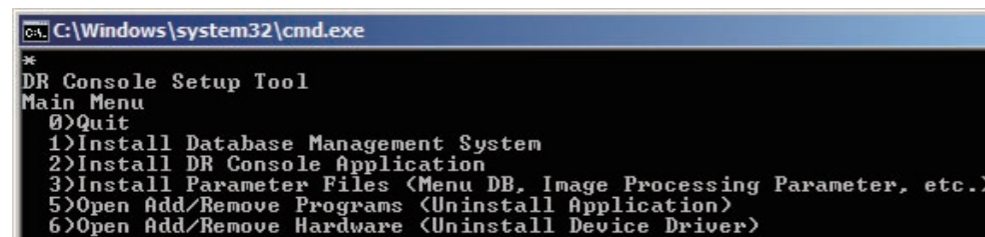
If the language of the OS is Japanese, the “Japanese” exposure menu for filming has been installed. If it is English, the “English(U.S.A without mammo menu)” (“English(Other than U.S.)” for V7.0) exposure menu for filming has been installed.

1. Insert the DR-ID 800CL-AP Disk into the disk drive.

➔ The “DR Console Setup Tool” main menu will open automatically.

◆ NOTE ◆

- In case the installation start window does not open automatically, double-click the execution file (Setup.bat) in the Disk.
- The items displayed in the “DR Console Setup Tool” vary with the versions of DR-ID 800CL.

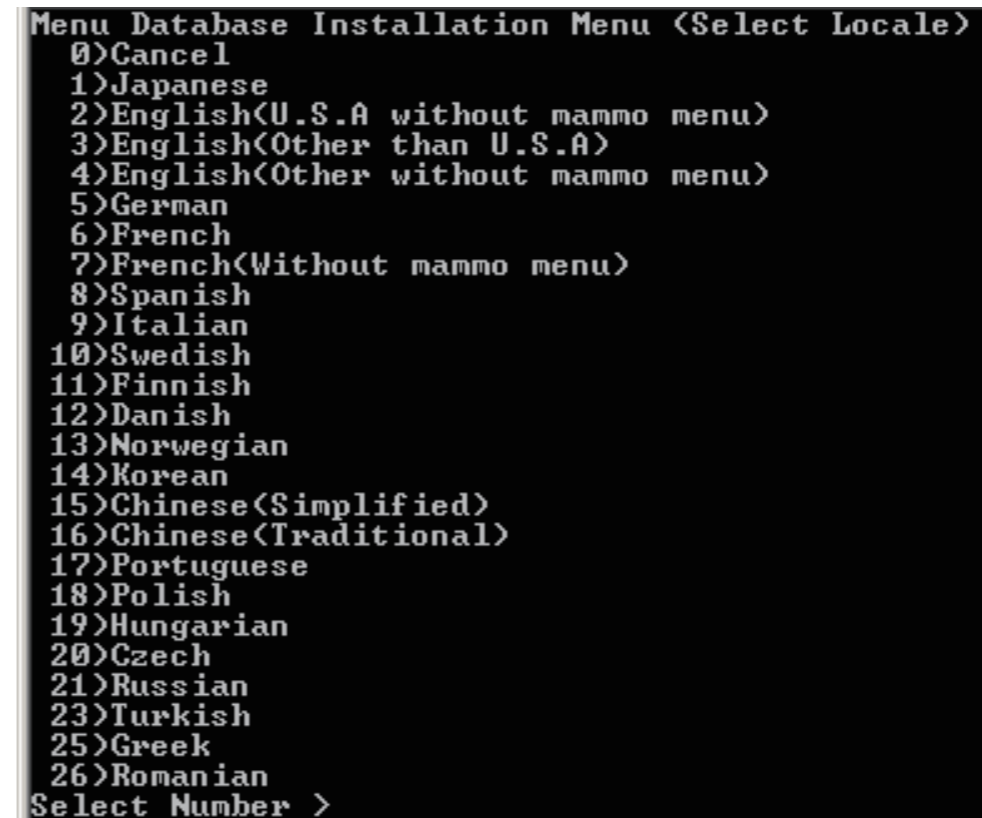


```
CA: C:\Windows\system32\cmd.exe
*
DR Console Setup Tool
Main Menu
0)Quit
1)Install Database Management System
2)Install DR Console Application
3)Install Parameter Files (Menu DB, Image Processing Parameter, etc.)
5)Open Add/Remove Programs (Uninstall Application)
6)Open Add/Remove Hardware (Uninstall Device Driver)
```

DXL03050003.ai

2. Enter “3” and press the <Enter> key.

➔ A window like that shown below opens.



```
Menu Database Installation Menu (Select Locale)
0)Cancel
1)Japanese
2)English(U.S.A without mammo menu)
3)English(Other than U.S.A)
4)English(Other without mammo menu)
5)German
6)French
7)French(Without mammo menu)
8)Spanish
9)Italian
10)Swedish
11)Finnish
12)Danish
13)Norwegian
14)Korean
15)Chinese(Simplified)
16)Chinese(Traditional)
17)Portuguese
18)Polish
19)Hungarian
20)Czech
21)Russian
23)Turkish
25)Greek
26)Romanian
Select Number >
```

DXCL100302012.ai

3. Enter the item number of a language you wish to install and press the <Enter> key.

◆ NOTE ◆

Select a language without mammo menu in the countries where the mammo menu is not available.

➔ A window like that shown below opens.



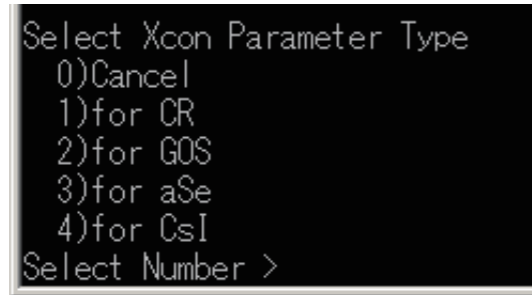
```
Select Parameter Type
0)Cancel
1)for Monitor
2)for Film
Select Number >
```

AWS35001.ai

4. Enter the item number of an image processing parameter (for Monitor/for Film) you wish to use, and then press the <Enter> key.

→ The X-CON parameter selection window appears.

5. Enter “1” and press the <Enter> key.



```
Select Xcon Parameter Type
0)Cancel
1)for CR
2)for GOS
3)for aSe
4)for CsI
Select Number >
```

DXCL070305001.ai

→ The message appears and replacement of the menu database completes.

6. Enter “0” and press the <Enter> key.

→ The “DR Console Setup Tool” shuts down and the system returns to the desktop.

7. Remove the Disk from the disk drive.

7.3 Setting the Partition (V7.3 or later) [Setting Done Prior to Shipment]

◆ NOTE ◆

This step is not required if a partition is not created.

1. Click  from the taskbar and select “Exit”.

→ The MC Manager closes.

2. Right-click  from the taskbar and select “CLOSE”.


→ The BmpServer closes.

3. Insert the DR-ID 800CL-AP Disk into the disk drive.

→ The “DR Console Setup Tool” main menu automatically opens.

4. Enter “0” and press the <Enter> key.

→ The system returns to the desktop.

5. Enter “D:\tools\AssocDataFolder\AssocDataFolder.bat” into the “Search programs and files” column from the  menu, then press the <Enter> key.

→ The command prompt window opens.

6. When the “Press any key to continue...” message appears, press the <Enter> key.

→ The command prompt will close.

7. Remove the Disk from the disk drive.

8. Installing Various Components [Setting Done Prior to Shipment]

Install as follows the components (files) that are necessary for activating the DR-ID 800CL.

8.1 FRIS Modules

For the FRIS Modules, use “DR Console Setup Tool” on the DR-ID 800CL-AP installation Disk.

◆ NOTE ◆

Even if the F-RIS function is not used, install the FRIS Modules. If they are not installed, an error occurs when the DR-ID 800CL-AP starts.

1. Insert the DR-ID 800CL-AP Disk into the disk drive.

→ The “DR Console Setup Tool” main menu automatically opens.

◆ NOTE ◆

- In case the installation start window does not open automatically, double-click the execution file (Setup.bat) in the Disk.
- The items displayed in the “DR Console Setup Tool” vary with the versions of DR-ID 800CL.

```
CA: C:\Windows\system32\cmd.exe
*
DR Console Setup Tool
Main Menu
0)Quit
1)Install Database Management System
2)Install DR Console Application
3)Install Parameter Files (Menu DB, Image Processing Parameter, etc.)
5)Open Add/Remove Programs (Uninstall Application)
6)Open Add/Remove Hardware (Uninstall Device Driver)
```

DXL03050003.ai

2. Enter “10” and press the <Enter> key.

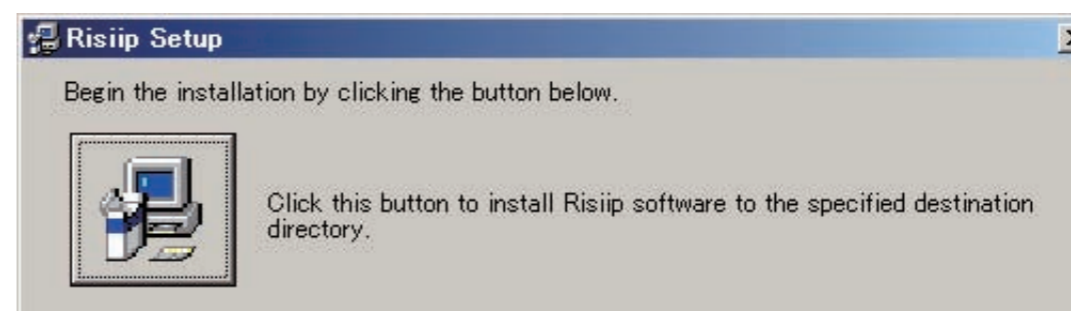
→ The “Risiip Setup” window opens.



RI000042.ai

3. Click .

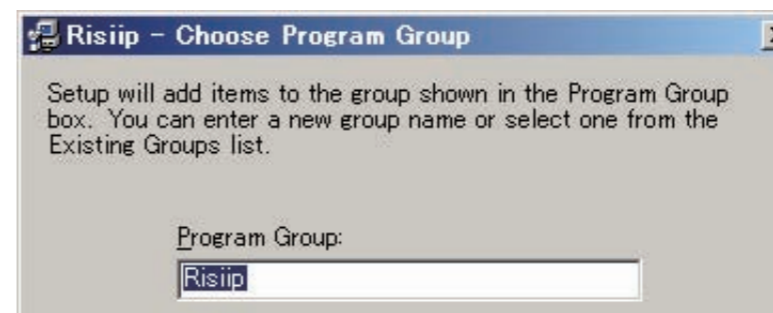
→ A window opens, prompting you to start the installation.



RI000043.ai

4. Click .

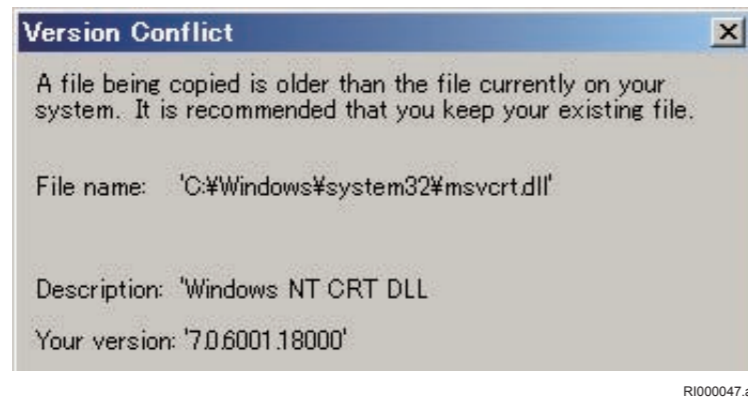
→ The “Risiip - Choose Program Group” window opens.



RI000044.ai

5. Click .

→ The following window opens.

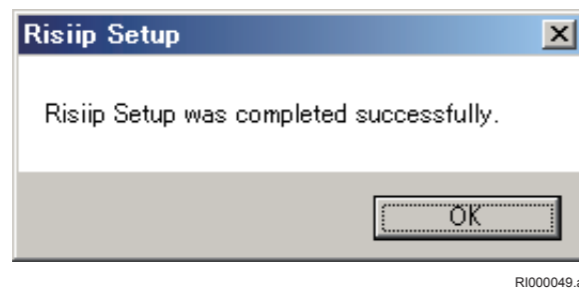


6. Click .

◆ **NOTE** ◆

- The “Version Conflict” window opens several times. Click “Yes” every time the window opens.
- If an error related to “C:\Program Files\Common Files\Microsoft Shared\DAO\DAO35-.DLL” is occurred, ignore it.

→ A message appears to indicate that the installation is completed.



7. Click .

→ The installation process for the FRIS Modules is thus completed, and the system returns to the “DR Console Setup Tool” main menu.

8. Enter “0” and press the <Enter> key.

→ The “DR Console Setup Tool” exits and the system returns to the desktop screen.

9. Remove the Disk from the disk drive.

8.2 SKB Launcher

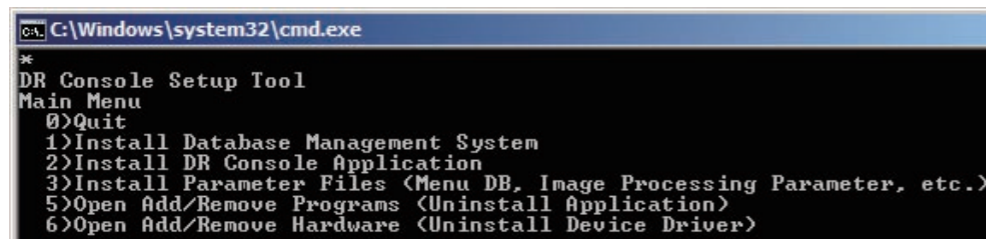
Install the launcher software which has a function to call up the software keyboard.

1. Insert the DR-ID 800CL-AP Disk into the disk drive.

→ The “DR Console Setup Tool” main menu automatically opens.

◆ NOTE ◆

- *In case the installation start window does not open automatically, double-click the execution file (Setup.bat) in the Disk.*
- *The items displayed in the “DR Console Setup Tool” vary with the versions of DR-ID 800CL.*

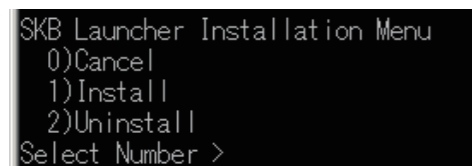


```
C:\Windows\system32\cmd.exe
*
DR Console Setup Tool
Main Menu
0)Quit
1)Install Database Management System
2)Install DR Console Application
3)Install Parameter Files (Menu DB, Image Processing Parameter, etc.)
5)Open Add/Remove Programs (Uninstall Application)
6)Open Add/Remove Hardware (Uninstall Device Driver)
```

DXL03050003.ai

2. Enter “19” and press the <Enter> key.

→ The following window opens.



```
SKB Launcher Installation Menu
0)Cancel
1)Install
2)Uninstall
Select Number >
```

DXCL050833065.ai

3. Enter “1” and press the <Enter> key.

→ The Installation process for the SKB Launcher ends and the system returns to the “DR Console Setup Tool” window.

4. Enter “0” and press the <Enter> key.

→ The system returns to the desktop screen.

5. Remove the Disk from the disk drive.

6. Turn OFF the power of the DR system on the Mobile X-ray Unit.

9. Installing the DR-ID 800CL Standard Kit [Setting Done Prior to Shipment]

Install the Standard Kit that is supplied with the DR-ID 800CL.

◆ NOTE ◆

The version of the Standard Kit is controlled in a pair with the version of DR-ID 800CL-AP which was attached prior to shipment.

If you execute “1) All” with the Standard Kit-Disk whose version is different from the combination, service settings different from normal will be installed and disable the DR-ID 800CL-AP to operate properly.

To install the Standard Kit with the Standard Kit-Disk whose version is different from the combination, perform the following procedure.

- I. In the “DR Console StandardKit for DR Mobile” screen, install “2) Install standard keys” and “3) Install OS settings”
- II. Restore the backup of service settings.

If no backup of service settings available, perform the installation with the software version at the time of shipment.

➔ REFERENCE

When the Standard Kit is installed, the following functions become available.

- FPD connection
- CR storage function
- DX storage function
- LUT adjustment function for competitor’s PACS
- DRC image processing
- TAS image processing
- FNC image processing
- MFP image processing
- Detailed image processing parameter change function
- Annotation input function
- Image magnification or full screen display on the QA window
- X-CON control function

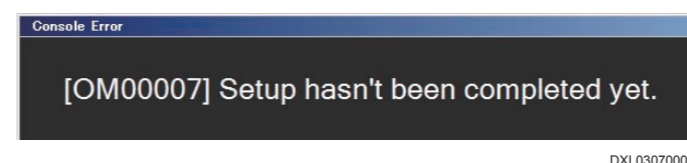
The following procedure is the installation procedure of the Standard Kit whose version is the same as the version at the time of shipment.

■ For V7.0

● Installing the Standard Kit (1/2)

1. Turn ON the power of the DR system on the Mobile X-ray Unit.

- ➔ An error screen like that shown below opens immediately after DR-ID 800CL-AP startup.



➔ REFERENCE

This error screen opens when the AP key is not installed.

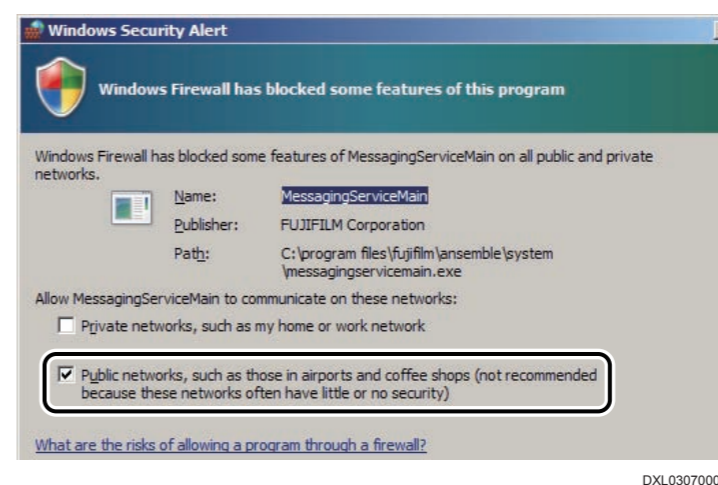
This error screen does not indicate any abnormality because the AP key will be installed later in “10. AP Key Installation”.

2. Click .

- ➔ The system returns to the desktop.

◆ NOTE ◆

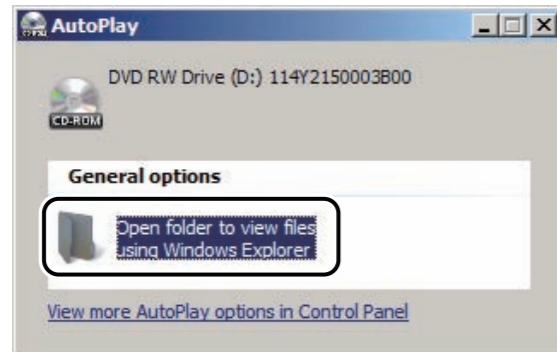
If the following window opens, place a checkmark to the “Public Network” and click .



3. Insert the Standard Kit Disk into the disk drive.

→ The “AutoPlay” window opens.

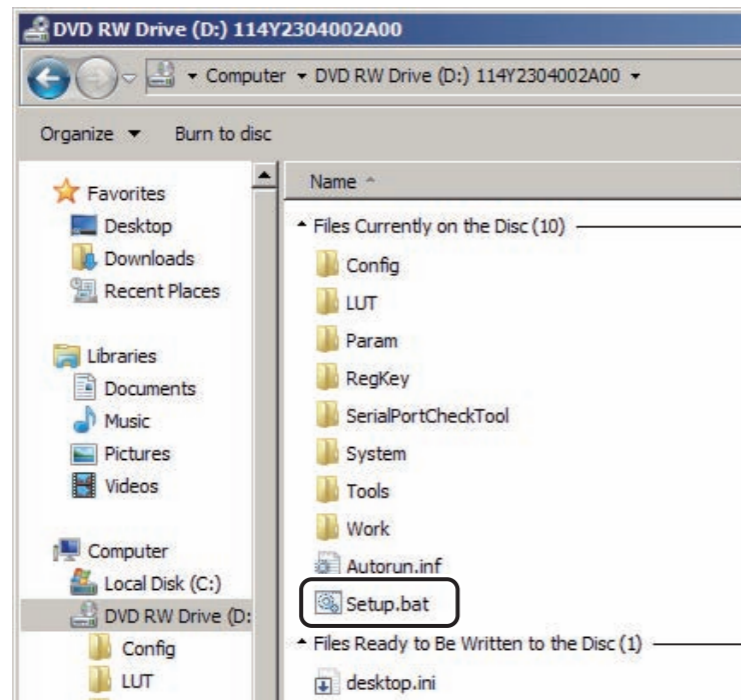
4. Click “Open folder to view files”.



DXL03070010.ai

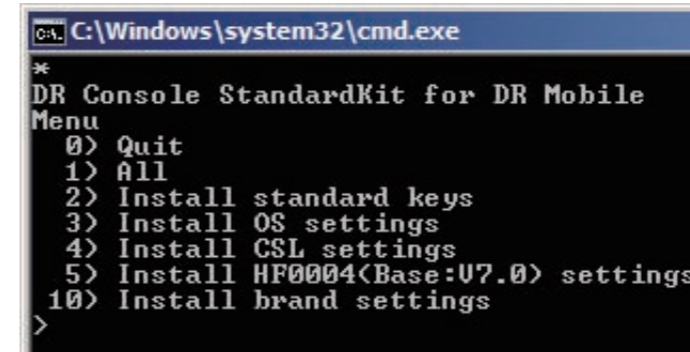
→ An explorer opens.

5. Double-click “Setup.bat”.



D80C010309001.ai

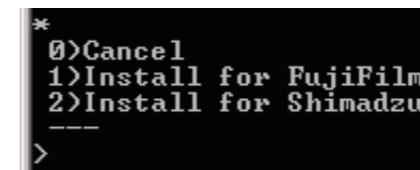
→ The “DR Console SettingKit for DR Mobile” window opens.



D80C020309004.ai

6. Enter “1” and press the <Enter> key.

→ The following window opens.



D80C020309005.ai

➔ REFERENCE

For the Standard Kit V1.0, the “10) brand settings” item is not displayed.

7. Enter “1” and press the <Enter> key.

→ The installation of the Standard key, Firewall setting, etc. starts. After a while, the “Press any key to continue...” window opens.

8. Press the <Enter> key.

→ The “FCR-CSL” will be set in Service Utility.

9. Click  .

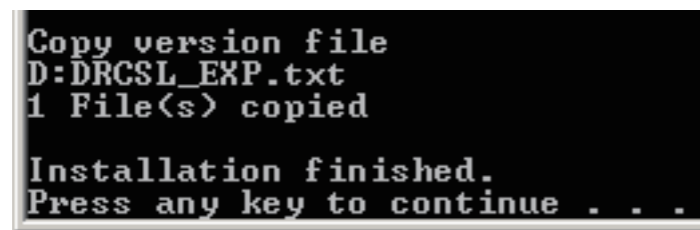
→ The “FCR-CSL-SCP” will be set in Service Utility.

10. Click  .

→ The “FCR-CSL-SCU” will be set in Service Utility.

11. Click  .

→ The following window opens.



```
Copy version file
D:DRCSL_EXP.txt
1 File(s) copied

Installation finished.
Press any key to continue . . .
```

DXL03070014.ai

12. Press the <Enter> key.

→ The system returns to the “DR Console StandardKit for DR Mobile” window.

13. Enter “0” and press the <Enter> key.

→ The system returns to the desktop screen.

14. Remove the Disk from the disk drive.

● Installing the HF

Install all of the following HF.

- HF0001 (Base:V7.0)
- HF0002 (Base:V7.0)
- HF0004 (Base:V7.0)
- HF0010 (Base:V7.0)
- HF0020 (Base:V7.0)

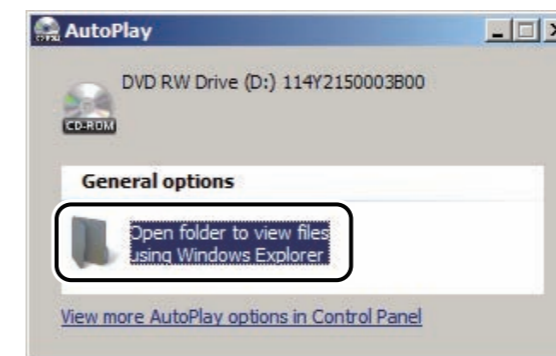
➔ REFERENCE

For example, installation procedure of “HF0002 (Base:V7.0)” is described as follows.

1. Insert the “DR-ID 300CL Application Software HF0002 (Base:V7.0)” Disk into the disk drive.

→ The “AutoPlay” window opens.

2. Click “Open folder to view files”.



DXL03070010.ai

→ An explorer opens.

3. Double-click “114Y2150744B00.zip”.

→ The “114Y2150744B00” window opens.

4. Copy the “114Y2150744B00” folder and paste it to “C:\”.

5. Right-click “C:\114Y2150744B00” folder and select “Properties”.

→ The “114Y2150744B00 properties” window opens.

6. Make sure that the value of “Size” is “8.89MB (9,332,155 bytes)” and close the “114Y2150744B00 properties” window.

↳ **REFERENCE**

The following are file size of HF to be installed.

HF0001 (Base:V7.0) :21.8MB (22,905,939 bytes)

HF0002 (Base:V7.0) :27.8MB (28,180,368 bytes)

HF0010 (Base:V7.0) :2.70MB (2,833,952 bytes)

HF0020 (Base:V7.0) :2.21MB (2,319,785 bytes)

→ The system returns to the explorer.

7. Double-click “C:\114Y2150744B00\Setup.bat”.

→ The “IIP Setup Tool” main menu opens.

8. Enter “1” and press the <Enter> key.

→ After installation completed, and the “Press any key to continue...” message appears.

9. Press the <Enter> key.

→ The system returns to the “IIP Setup Tool” main menu.

◆ **NOTE** ◆

When you install “HF0001 (Base:V7.0)”, “HF0004 (Base:V7.0)”, “HF0010 (Base:V7.0)”, or “HF0020 (Base:V7.0)”, steps 10 and 11 are not required. Proceed to step 12.

10. Enter “2” and press the <Enter> key.

→ After installation completed, and the “Press any key to continue...” message appears.

11. Press the <Enter> key.

→ The system returns to the “IIP Setup Tool” main menu.

12. Enter “0” and press the <Enter> key.

→ The system returns to the “114Y2150744B00” main menu.

13. Close all explorers.

→ The system returns to the desktop screen.

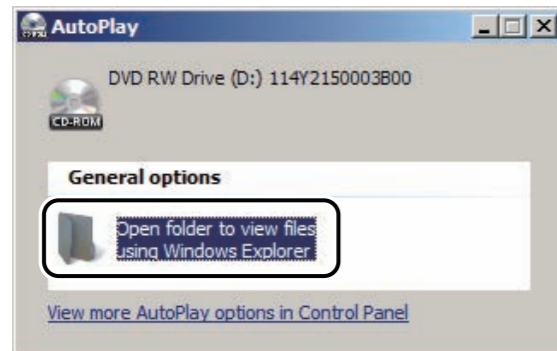
14. Remove the Disk from the disk drive.

● Installing the Standard Kit (2/2)

1. Insert the Standard Kit Disk into the disk drive.

→ The “AutoPlay” window opens.

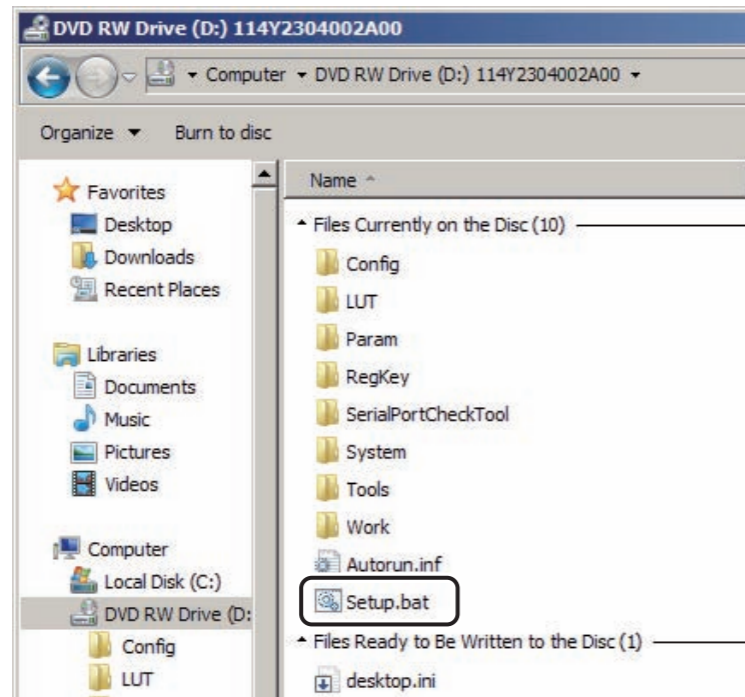
2. Click “Open folder to view files”.



DXL03070010.ai

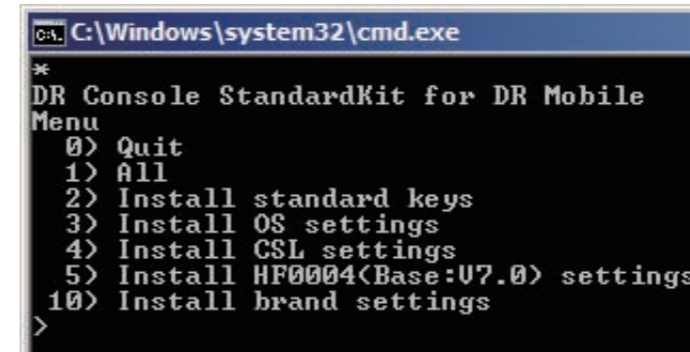
→ An explorer opens.

3. Double-click “Setup.bat”.



D80C010309001.ai

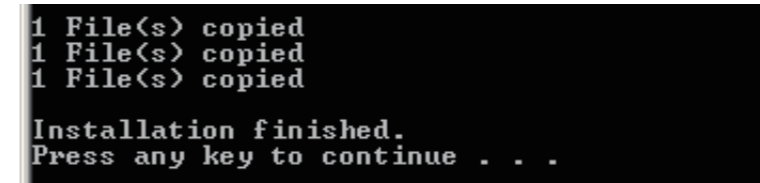
→ The “DR Console StandardKit for DR Mobile” window opens.



D80C020309004.ai

4. Enter “4” and press the <Enter> key.

→ The following window opens.



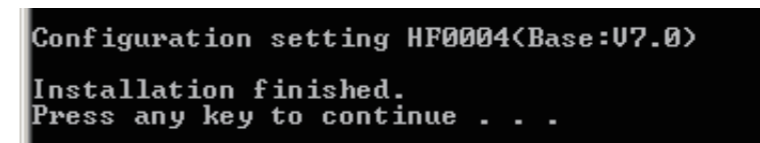
D80C010309003.ai

5. Press the <Enter> key.

→ The system returns to the “DR Console StandardKit for DR Mobile” window.

6. Enter “5” and press the <Enter> key.

→ The following window opens.



D80C010309004.ai

7. Press the <Enter> key.

→ The system returns to the “DR Console StandardKit for DR Mobile” window.

8. Enter “0” and press the <Enter> key.

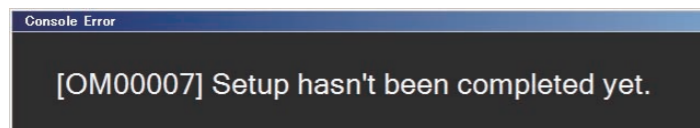
→ The system returns to the desktop screen.

9. Remove the Disk from the disk drive.

■ For V7.3 or later

1. Turn ON the power of the DR system on the Mobile X-ray Unit.

→ An error screen like that shown below opens immediately after DR-ID 800CL-AP startup.



DXL03070001.ai

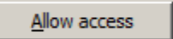
→ REFERENCE

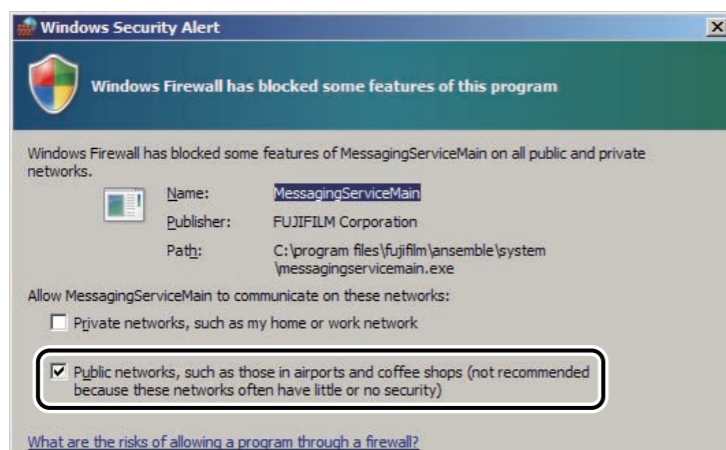
*This error screen opens when the AP key is not installed.
This error screen does not indicate any abnormality because the AP key will be installed later in "10. AP Key Installation".*

2. Click .

→ The system returns to the desktop.

◆ NOTE ◆

If the following window opens, place a checkmark to the "Public Network" and click .

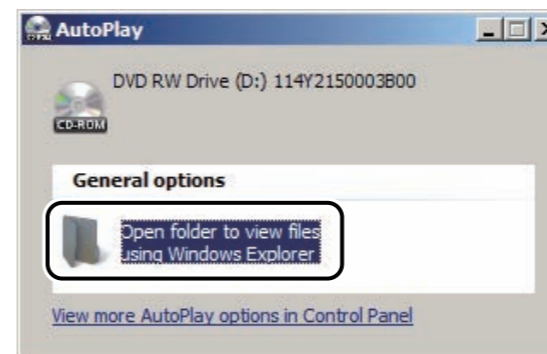


DXL03070009.ai

3. Insert the Standard Kit Disk into the disk drive.

→ The "AutoPlay" window opens.

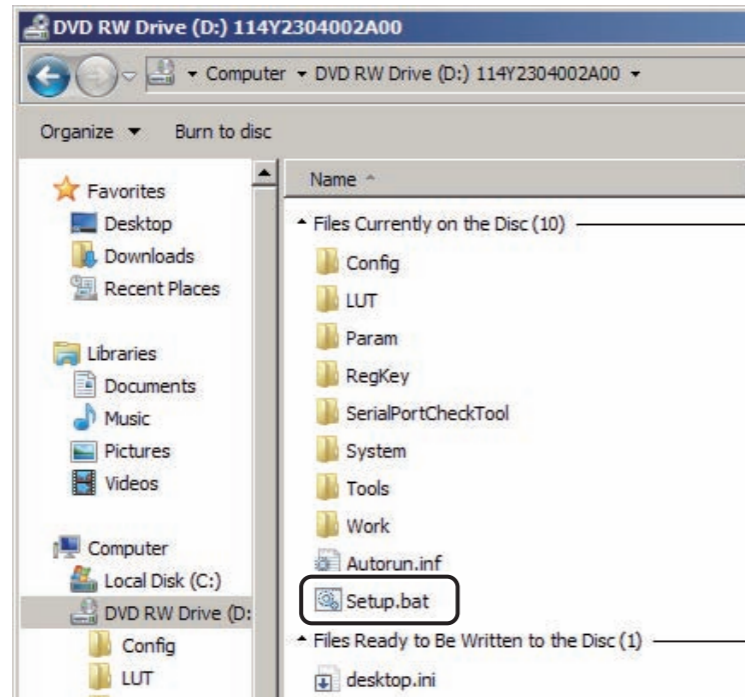
4. Click "Open folder to view files".



DXL03070010.ai

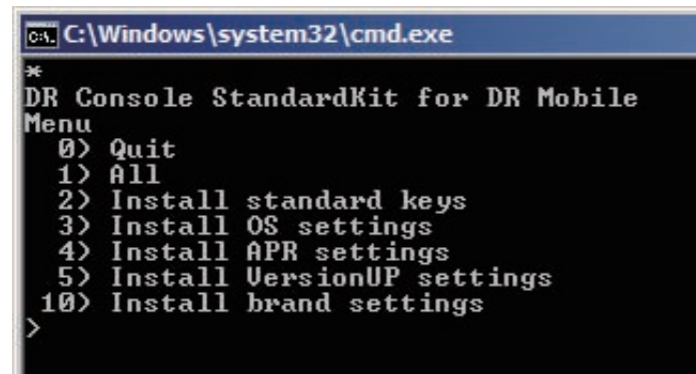
→ An explorer opens.

5. Double-click “Setup.bat”.



D80C010309001.ai

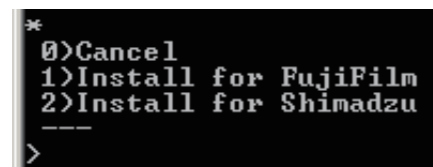
→ The “DR Console SettingKit for DR Mobile” window opens.



D80C030309003.ai

6. Enter “1” and press the <Enter> key.

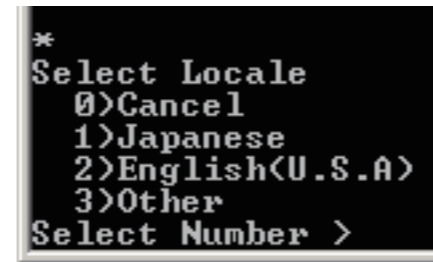
→ The following window opens.



D80C020309005.ai

7. Enter “1” and press the <Enter> key.

→ The following window opens.



D80C030309004.ai

8. Enter the item no. of a language you wish to set up and press the <Enter> key.

→ After a while, the “Press any key.” window opens.

9. Press the <Enter> key.

→ The “FCR-CSL” will be set in Service Utility.

10. Click .

→ The “FCR-CSL-SCP” will be set in Service Utility.

11. Click .

→ The “FCR-CSL-SCU” will be set in Service Utility.

12. Click .

→ The “Press any key to continue...” window opens.

13. Press the <Enter> key.


◆ NOTE ◆

The “Press any key to continue...” window opens several times. Press the <Enter> key for all the windows.

→ The system returns to the “DR Console StandardKit for DR Mobile” window.

-
14. Enter “0” and press the <Enter> key.
→ The system returns to the desktop screen.
 15. Remove the Disk from the disk drive.

10. Installing the Electronic Manual [Item to be Set at Installation]

 For installation of Electronic Manual, see “[Appendix 23 Settings Necessary for Browsing the Operation Manuals \(PDF\)](#)” of “[Appx IN: Installation – Appendix](#)”.

11. Option Key Installation

[Item to be Set at Installation]

Install the same option keys that were used immediately before OS reinstallation.

◆ NOTE ◆

After option key installation, be sure to install the AP key. The reason is that installing the option keys when the AP key has been enabled disables that AP key. As a result, the OM0007 error will occur and DR-ID 800CL will not start up.

Function	Product Code	Description
Print output	DX CL DICOM PRINT	DICOM Print function* ¹
Image storage assurance	DX CL DICOM COMMITMENT	A function assuring that an image has surely been stored in the archiver unit.
Image processing	DX CL SHUTTER-PROC	Shuttering processing* ¹
	DX CL GPR	Grid pattern removal processing function* ¹
Acquisition of patient information	DX CL DICOM ORDER MWM	DICOM worklist function* ¹
	DX CL DICOM ID MWM	DICOM worklist function (acquiring only patient information)
	DX CL DICOM MPPS	DICOM PPS function Basically, installed together with MWM.
	DX CL SIMPLE ORDERING	Simple ordering function
Other	DX CL RETAKE ANALYSIS	A function that stores/calculates information on exposed/mis-exposed.* ¹
	DX CL RUQC	Image Reader QC function
	DX CL MOTION DETECTION	General exposure motion detection function

*1 : Component option of DX CL 800CL OP KIT

◆ NOTE ◆

Each option key is supplied on one dedicated disk for each product.

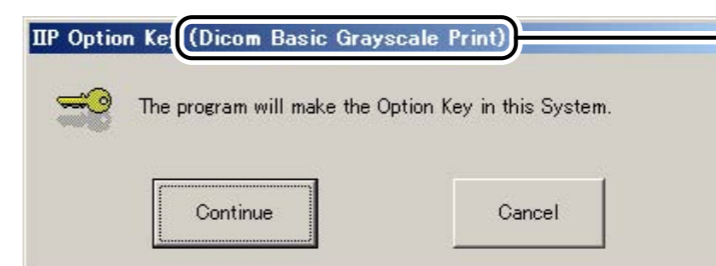
The installation procedure is described below.
The same installation procedure applies to all the option keys.

1. Insert an option key disk into the disk drive.

→ The installation start window automatically opens in several seconds.

◆ NOTE ◆

In case the installation start window does not open automatically, double-click the execution file (Filename extension: exe) in the Disk.

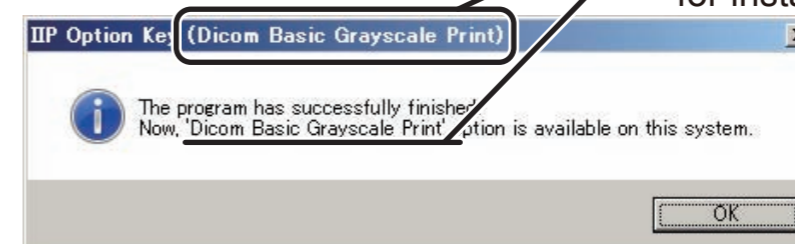


The indication varies with the option key for installation.

DCL30310.ai

2. Click .

→ A window opens to indicate the completion of installation.



The indication varies with the option key for installation.

DCL30309.ai

3. Click .

→ The system returns to the desktop.

4. Remove the Disk from the disk drive.

12. AP Key Installation [Item to be Set at Installation]

Use the procedure below to install the AP key.

◆ NOTE ◆

Before AP key installation, be sure to install a standard kit and option keys.

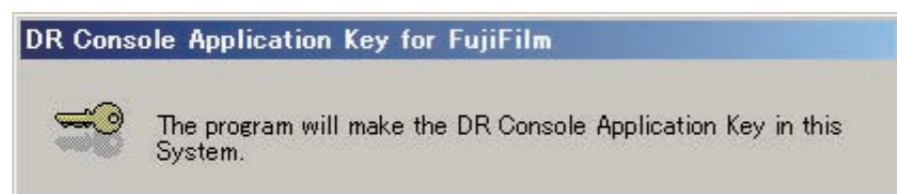
Install the AP key as follows:

1. Insert the AP key Disk into the disk drive.

→ After a while, the installation start window automatically opens.

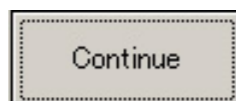
◆ NOTE ◆

In case the installation start window does not open automatically, double-click the execution file (Filename extension: exe) in the Disk.



DXL309001.ai

2. Click

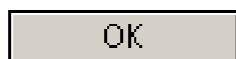


→ A window opens to indicate the completion of installation.



DCL44010.ai

3. Click



→ The system returns to the desktop.

4. Remove the Disk from the disk drive.

5. Re-connect the USB peripheral devices (barcode reader, etc.) that have been disconnected before OS installation.

◆ NOTE ◆


You must perform driver software settings after USB peripheral devices are connected.

☞ For the driver software setup procedure, see “4.4 Changing the Barcode Reader Driver Software” under “MT: Machine Troubleshooting”.

13. Initializing the Image Database [Item to be Set at Installation]

◆ NOTE ◆

- After initial installation of the OS, be sure to initialize the image database.
- Database can be initialized only when SQL Server has been running. If it is not displayed, restart the PC.
- If images are accumulated on the image output queue, database cannot be initialized. It is thus necessary to delete images accumulated on the image output queue.

 For the procedure to be used to delete images accumulated on the image output queue, see “9.2 Clearing the Contents of the Image Output Queue” under “MU: Maintenance Utility”.

1. Turn ON the power of the DR system on the Mobile X-ray Unit.

→ Windows starts up. After about one minute, the DR-ID 800CL-AP starts running.

2. When the initial window opens, sequentially click its upper left and upper right corners within a period of 3 seconds.

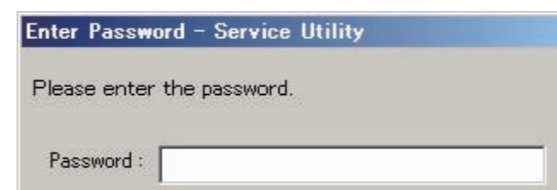
Click the upper left corner and then the upper right corner.



DXL03100001.ai

→ The “Enter Password” window opens.

3. Enter a password (“fieldengineer”) to log in to the Service Utility and click .

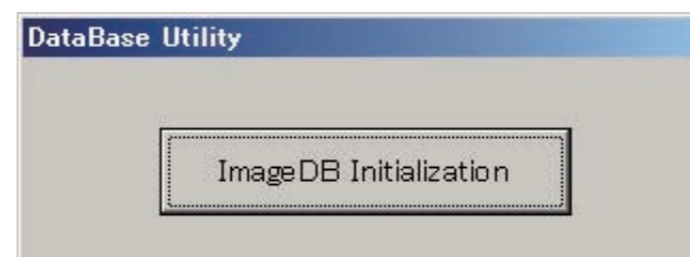


DXL41001.ai

→ The Service Utility starts and the “IIP Service Utility” window opens.

4. Click [DataBase Utility].

→ The “DataBase Utility” window opens.



RI000033.ai

5. Click .

→ A confirmation window opens.



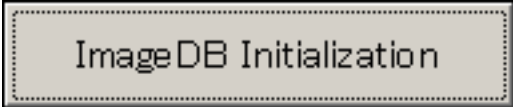
MU000019.ai

6. Click .

◆ **NOTE** ◆

When the “Press any key to continue...” message appears, press the <Enter> key.

→ The images are then deleted from the output queue and you are returned to the “DataBase Utility” window.

7. Click .

→ A confirmation window opens.



8. Click .

◆ **NOTE** ◆

When the “Press any key to continue...” message appears, press the <Enter> key.

→ The system completes image database initialization and returns to the “DataBase Utility” window.

◆ **NOTE** ◆

If the following message appears, images included in the image database have not been initialized accordingly.

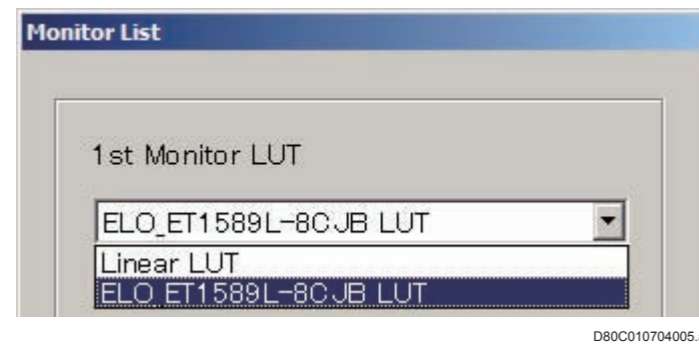
It failed in initialized DB.

Make sure that SQL Server has been running and images are not accumulated on the image output queue.

- To start up SQL Server
 - I. Restart the PC.
 - II. Select “Control Panel” from the  menu and click “Administrative Tools”.
 - III. Double-click “Computer Management”.
 - IV. Select “Computer Management” – “Service and Application” – “SQL Server configuration Manager”.
 - V. Select “SQL Server Service” or “SQL Server 2005 Service”.
 - VI. Confirm that SQL Server (MSSQLSERVER) is running.
-

14. Display Optimization (LUT File Settings) [Setting Done Prior to Shipment]

With the [LUT] of the Service Utility, select the LUT file that matches the display characteristics from the “Monitor List” window and install it.



➔ REFERENCE

You can confirm the type of the LUT file set in DR-ID 800CL by comparing the update dates and sizes of the following files, and by comparing the file contents when the file is opened in the notepad.

- The LUT file set in DR-ID 800CL.
The “PL-r22.env” file in the “C:\Program Files\FujiFilm\IIP\Config\” folder.
- The LUT file settable in DR-ID 800CL.
The env file in the “C:\Program Files\FujiFilm\IIP\Lut\” folder.

 For details, see “4. Display Optimization — LUT” in “MU: Maintenance Utility”.

15. Restoring the Config/Network Adapter Settings [Item to be Set at Installation]

15.1 Restoring the Config

► IMPORTANT

Data files to be restored must be of the same software versions. Restoring data files of different software versions will disable the software to be operated correctly.

■ Restoring target files

The following data files are to be restored in the DR-ID 800CL.

Files	Contents	Remarks
SysConfig.mdb	<ul style="list-style-type: none"> System settings Printer settings CSL settings QA process settings 	
NetConfig.mdb	<ul style="list-style-type: none"> Connected equipment information table Connection destination setup table DicomPrint sort destination setup table Distribution code settings 	
PN.mdb	PN (Person Name) settings	
McrDataFormat.mdb	Magnetic card format settings	
<ul style="list-style-type: none"> DDT_CRPrv.xml DDT_CRPrvUnst.xml DDT_CRStd.xml DDT_DXPres.xml DDT_DXProc.xml 	Settings for replacing/editing the DICOM tags	For the default setting, the files do not exist. *2
<ul style="list-style-type: none"> Selector.mdb All files in the "SelectorIcon" folder 	Selector setup (including the device setup etc.)	
FilmStrFmt.env	Film character definition	
BcrDataFormat.mdb	Barcode format settings	

Files	Contents	Remarks
ExposureResultLog.mdb	Setup for exposure result log output items	
<ul style="list-style-type: none"> MWMQuerySource.inf DDT_MWL_RQ.xml DDT_MWL_RP.xml 	Setup information for mapping DICOM MWL C-FIND tags and internal data	For the default setting, the xml files do not exist. *2
RejectComment.mdb	Setting for comments on mis-exposed images	*1
<ul style="list-style-type: none"> UMB_SFPD.prm UMB_ATLAS1u.prm UMB_ATLAS1t.prm UMB_ATLAS2u.prm UMB_ATLAS2t.prm UMB_ATLAS1a.prm UMB_PRITWO_HIGH.prm UMB_PRITWO_NORMAL.prm UMB_XLIIA_HR.prm 	Setting for unevenness removal processing	
ExposureIndex.prm	Setting for ExposureIndex display function	
<ul style="list-style-type: none"> DDT_MPPS_NC.xml DDT_MPPS_NS.xml 	Customize settings for PPS tag	For the default setting, the files do not exist. *2
TomoExposureCondID.xml	Settings of exposure conditions for Tomosynthesis	
TomoReconstructionMode.xml	Definition of reconstruction mode type for Tomosynthesis	
MassOrder.mdb	Setting for mass screening order issuance function	
IDMassHistory.mdb	Patient ID history	
IDAutoConvert.mdb	Setting for patient ID auto-convert function	
schema.ini	Setting for definition of examinee list file for patient ID auto-convert	
IssuanceIdMassOrder.dat	Setup of rules applied for automatic patient ID issuance	

*1 If users have customized the settings, delete the corresponding target files before restoration.


*2 A dialog warning that the files do not exist will be displayed at the time of restoration but there is no problem. Click "OK" to close the dialog.

Restoring procedures

1. Insert the media (FD, USB memory stick or the like) that stores a Config backup into the Mobile X-ray Unit.

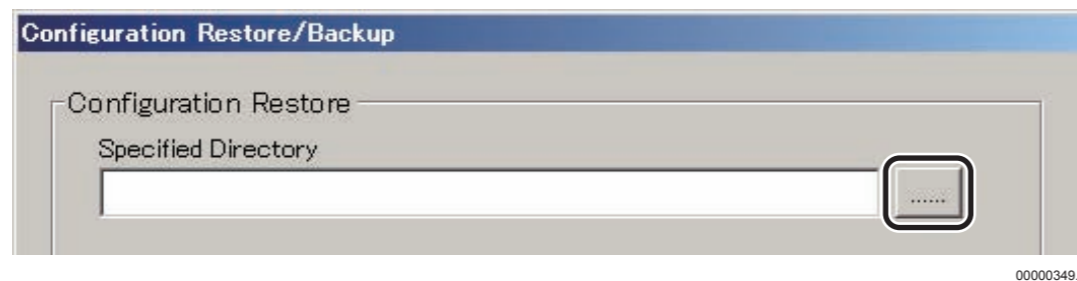
2. Start the DR-ID 800CL Service Utility.

→ The main menu opens.

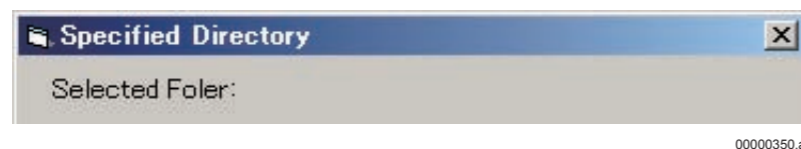
3. Click .

→ The “Configuration Restore/Backup” window opens.

4. Click  in the Configuration Restore area.



→ The “Specified Directory” window opens.



5. Click the downward arrow mark  within





6. Click .


→ You are then returned to the “Configuration Restore/Backup” window.

7. Click .

◆ NOTE ◆

• If a dialog warning that the files do not exist is displayed at the time of restoration, confirm the file names and click “OK” to close the dialog. Since the contents of the files displayed in the warning dialog are not to be restored, confirm/set the setting details separately.

• Even when the restore process ends, no message appears to indicate it. While the restore process is being performed, the mouse cursor is replaced by the  mark. When the  mark changes back to the mouse cursor, it means that the restore process is ended.

Note, however, that the  mark appears only when the mouse cursor is positioned within the Configuration Restore/Backup window.

• When there are three backup FDs, change the 1st FD to the 2nd FD first and perform steps 3. through 7. to restore data of the 2nd FD. Then, change the 2nd FD to the 3rd FD and perform steps 3. through 7. to restore data of the 3rd FD.


• Before removing the media (FD, USB memory stick or the like), check to see that the drive access lamp is distinguished.

• “Study List” settings can not be recovered by restoring the config data. After completing the reinstallation processing, reset them manually.

8. Remove the media from the Mobile X-ray Unit.


15.2 Restoring the Network Adapter Settings

This section describes how to restore the network adapter settings.

 For details of restoring the network adapter setting, see “14.3 Restoring the Network Adapter Settings” under “MU: Maintenance Utility”.

16. Settings for the FPD [Item to be Set at Installation]

The FPD software needs to be set up appropriately.

 See “[Setting the FPD](#)” in “[4.2.2 DR-ID 800CL System Information Setup](#)” under “[IN: Installation](#)” for details of the FPD software setup.

17. Firewall Settings [Setting Done Prior to Shipment]

◆ NOTE ◆

Firewall settings are performed provided that the DR-ID 800CL has already been installed appropriately.

■ AP shutdown

1. Turn ON the power of the DR system on the Mobile X-ray Unit.

→ Windows starts running. The DR-ID 800CL-AP starts running too in about one minute, displaying then the DR-ID 800CL initial window.

2. Within a period of three seconds after the DR-ID 800CL initial window opens, sequentially click the upper left corner and then the upper right corner of the window.

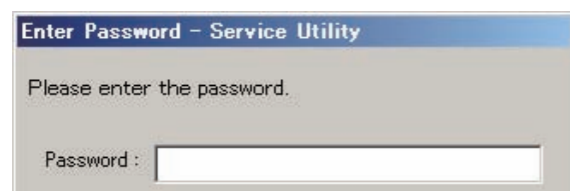
Click the upper left corner and then the upper right corner.



DXL03100001.ai

◆ NOTE ◆

When the following window is displayed, enter the login password (fieldengineer) for Service Utility and click [OK].



DXL41001.ai

→ The Service Utility starts and then the "IIP Service Utility" window opens.

3. Click [Exit Service Utility].

→ The system returns to the desktop screen.

■ Checking the Firewall Settings

● Execution file list

Execution file name	Remarks
C:\Program Files\FujiFilm\IIP\System\SSDecision.exe	
C:\Program Files\FujiFilm\IIP\System\SSIpServer.exe	
C:\Program Files\FujiFilm\IIP\System\SSFinp.exe	
C:\Program Files\FujiFilm\IIP\System\SSXfer.exe	
C:\Program Files\FujiFilm\IIP\System\IIPUserUtility.exe	
C:\Program Files\FujiFilm\IIP\System\IIPServiceUtility.exe	
C:\Program Files\FujiFilm\IIP\System\IIPRetakeAnalysisTool.exe	
C:\WINDOWS\SYSTEM32\FTP.exe	
C:\Program Files\FujiFilm\Ansemble\System\Launcher.exe	
C:\Program Files\FujiFilm\Ansemble\System\MessagingServiceMain.exe	
C:\Program Files\FujiFilm\Ansemble\System\ProcessManagerMain.exe	
C:\Program Files\FujiFilm\Ansemble\System\WorkflowService.exe	
C:\Program Files\FujiFilm\IIP\System\ClusteringManager.exe	
C:\Program Files\FujiFilm\IIP\System\DaemonActivity.exe	
C:\Program Files\FujiFilm\IIP\System\DataEditor.exe	
C:\Program Files\FujiFilm\IIP\System\MediaStorage.exe	
C:\Program Files\FujiFilm\IIP\System\Modality.exe	
C:\Program Files\FujiFilm\IIP\System\OperationManager.exe	
C:\Program Files\FujiFilm\IIP\System\QA.exe	
C:\Program Files\FujiFilm\IIP\System\Reception.exe	
C:\Program Files\FujiFilm\IIP\System\SADeliveryMain.exe	
C:\Program Files\FujiFilm\IIP\System\StMessenger.exe	
C:\Program Files\FujiFilm\IIP\System\SynapseViewer.exe	
C:\Program Files\FujiFilm\IIP\System\SystemManager.exe	
C:\Program Files\FujiFilm\IIP\System\UserUtility.exe	
C:\Program Files\FujiFilm\IIP\System\AcquisitionTool.exe	
C:\Program Files\FujiFilm\IIP\System\CheckPCDate.exe	
C:\Program Files\FujiFilm\IIP\System>CreateLUT.exe	
C:\Program Files\FujiFilm\IIP\System\DBExploreCs.exe	
C:\Program Files\FujiFilm\IIP\System\DDOView.exe	
C:\Program Files\FujiFilm\IIP\System\DialogChecker.exe	

Execution file name	Remarks
C:\Program Files\FujiFilm\IIP\System\FMTAutoEdit.exe	
C:\Program Files\FujiFilm\IIP\System\GPRDefault.exe	
C:\Program Files\FujiFilm\IIP\System\IIPImgProcServer.exe	
C:\Program Files\FujiFilm\IIP\System\MaskProcessDefault.exe	
C:\Program Files\FujiFilm\IIP\System\MWMTAGSetting.exe	
C:\Program Files\FujiFilm\IIP\System\SSImageProcFU.exe	
C:\Program Files\FujiFilm\IIP\System\SSInit.exe	
C:\Program Files\FujiFilm\IIP\System\SSMonitor2.exe	
C:\Program Files\FujiFilm\IIP\System\SSSerial.exe	
C:\Program Files\FujiFilm\IIP\System\UMBParamApply.exe	

● Port setup information list

Port name	Port number	Protocol type
FTP_port	21	TCP
SQLServer_port	1433	TCP
SQLMonitor_port	1434	UDP

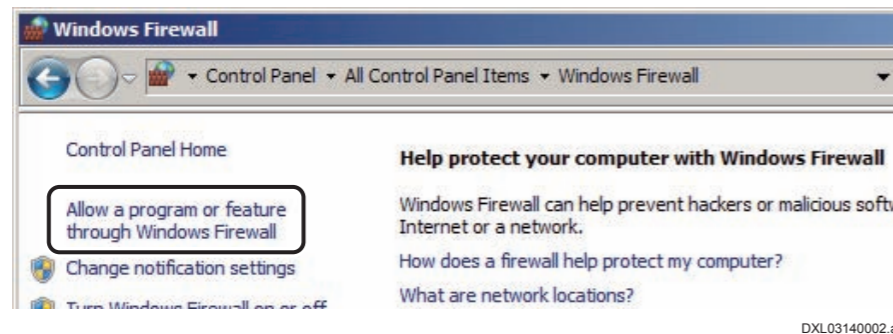
● Checking the Firewall Settings

1. Select “Control Panel” from the  menu and

click  .

→ The “Windows Firewall” window opens.

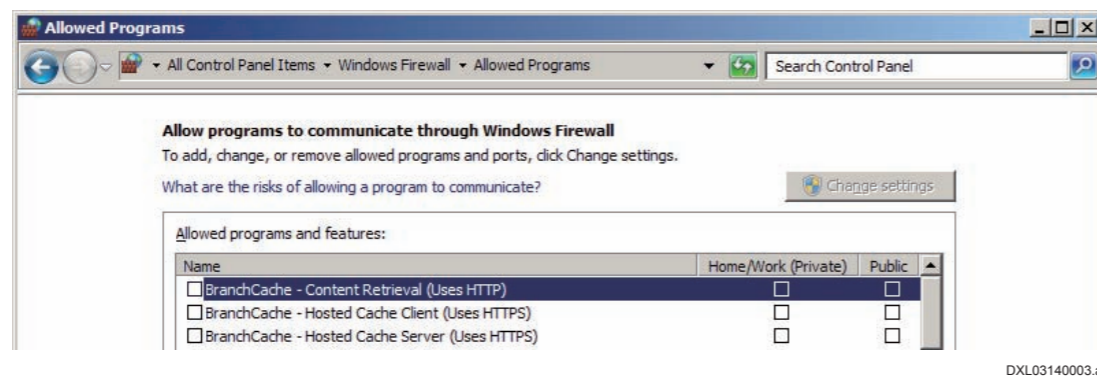
2. Select “Allow a program or feature through Windows Firewall”.



→ The “Allowed Programs” window opens.

3. Confirm that the “Home/Work (Private)” of each execution file has been checked.

 “● Execution file list”

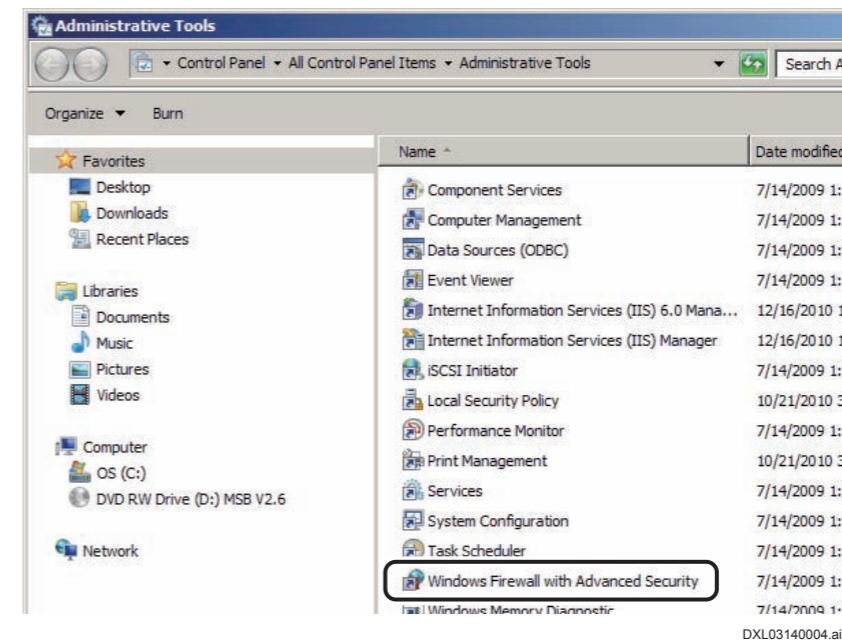


■ Checking the ICMP Settings

1. Select “Control Panel” from the  menu and click [Administrative Tools].

→ The “Administrator Tools” window opens.

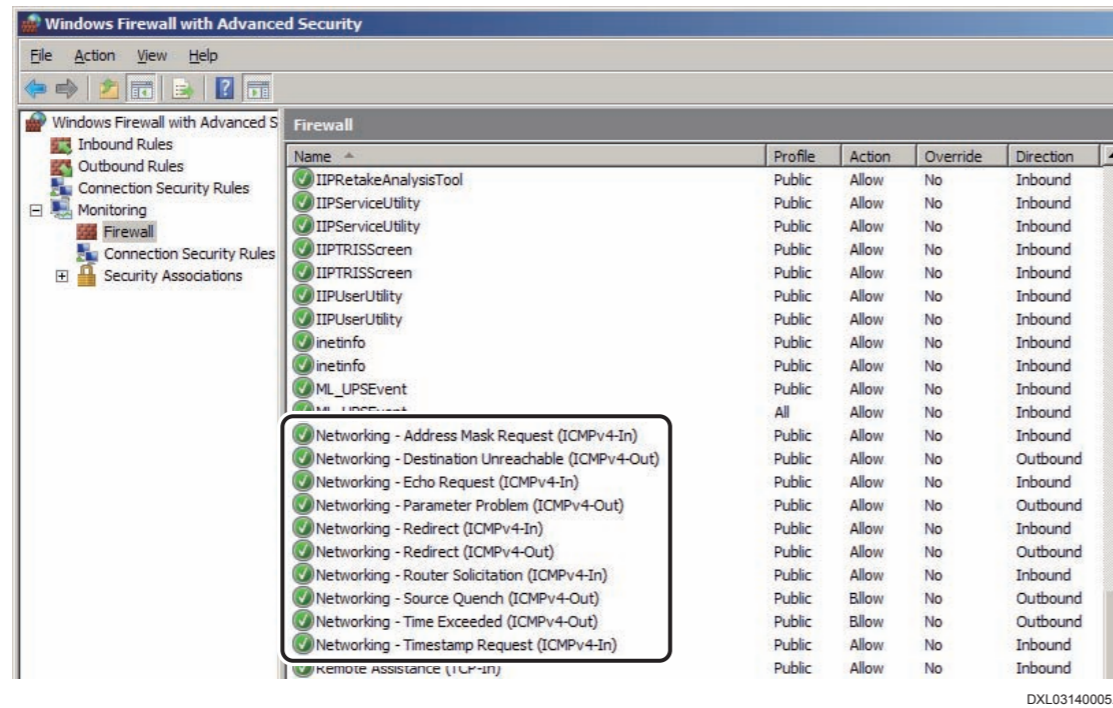
2. Double-click “Windows Firewall with Advanced Security”.



→ The “Windows Firewall with Advanced Security” window opens.

3. Select “Windows Firewall with Advanced Security on Local Computer” – “Monitoring” – “Firewall” and confirm that the following items have been added.

- Networking - Address Mask Request (ICMPv4-In)
- Networking - Destination Unreachable (ICMPv4-Out)
- Networking - Echo Request (ICMPv4-In)
- Networking - Parameter Problem (ICMPv4-Out)
- Networking - Redirect (ICMPv4-In)
- Networking - Redirect (ICMPv4-Out)
- Networking - Router Solicitation (ICMPv4-In)
- Networking - Source Quench (ICMPv4-Out)
- Networking - Time Exceeded (ICMPv4-Out)
- Networking - Timestamp Request (ICMPv4-In)



◆◆ CAUTIONS ◆◆

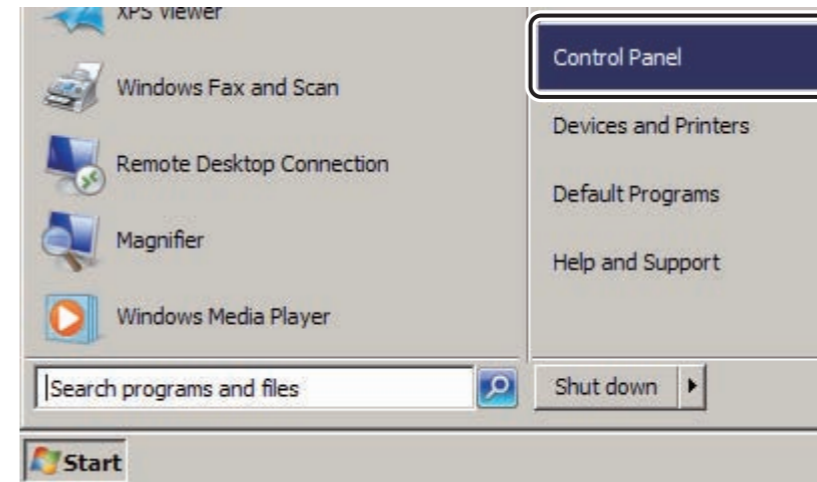
The above items may exist in “Inbound Rules” and “Outbound Rules”. If the above items do not exist in “Firewall”, check for the items in each tree.

4. Close all of windows being opened.

→ The system returns to the desktop screen.

■ Setting the firewall related to FTP Server

1. Select “Control Panel” from the Start menu.



→ The “All Control Panel Items” window opens.

2. Click Windows Firewall.

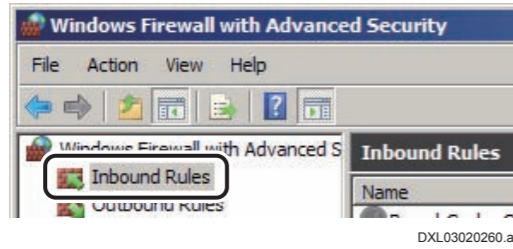
→ The “Windows Firewall” window opens.

3. Select “Advanced settings”.

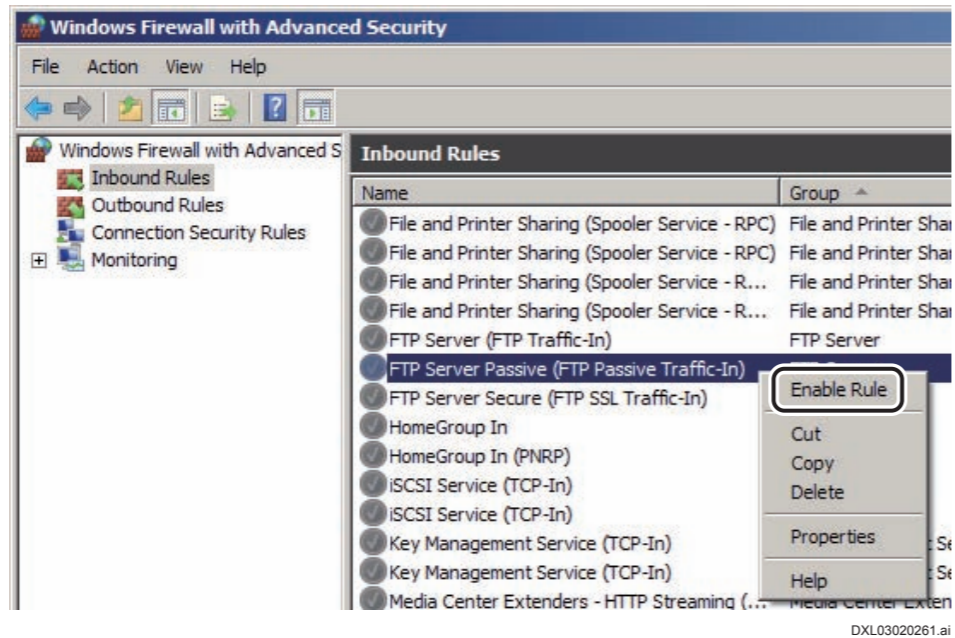


→ The “Windows Firewall with Advanced Security” window opens.

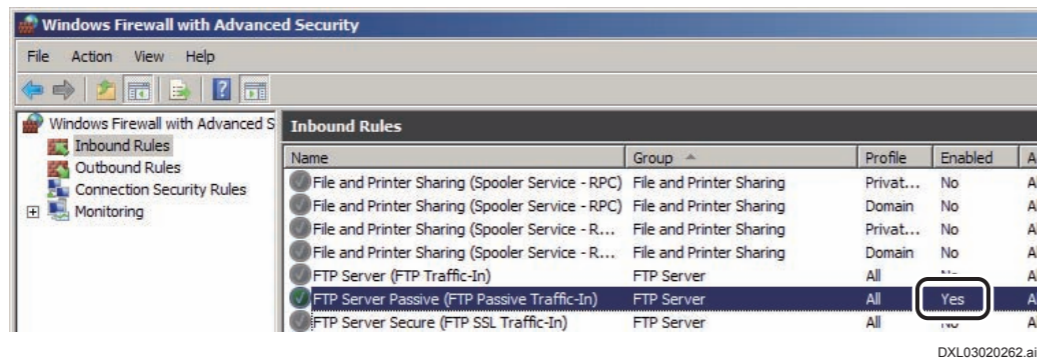
4. Select “Inbound Rules”.



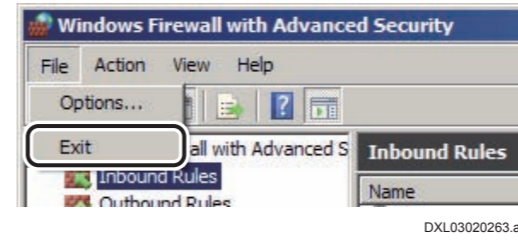
5. Right-click “FTP Server Passive (FTP Passive Traffic-In)” and select “Enable Rule”.



→ The “Enabled” of “FTP Server Passive (FTP Passive Traffic-In)” changes to “Yes”.



6. Select “Exit” from “File” menu.



→ The system returns to the “Windows Firewall” window.

7. Close the “Windows Firewall” window.

→ The system returns to the desktop screen.

18. Canceling AutoPlay Mode [Setting Done Prior to Shipment]

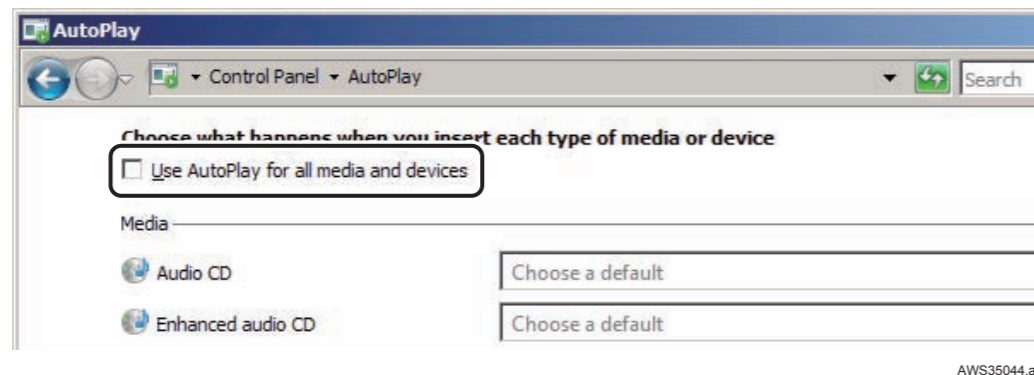
1. Select “Control Panel” from the  menu.

→ The “All Control Panel Items” window opens.

2. Click  .

→ The “AutoPlay” window opens.

3. Remove the checkmark from “Use AutoPlay for all media and devices”.




4. Click [Save].

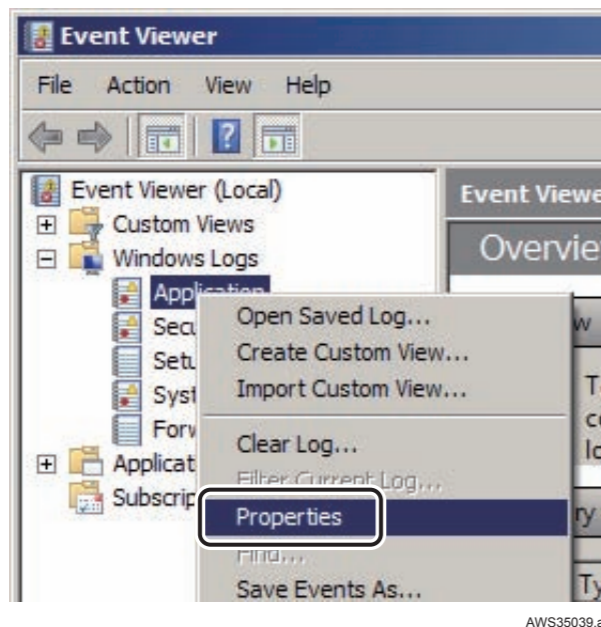
→ The system returns to the “All Control Panel Items” window.

5. Close the “All Control Panel Items” window.

→ The system returns to the desktop screen.

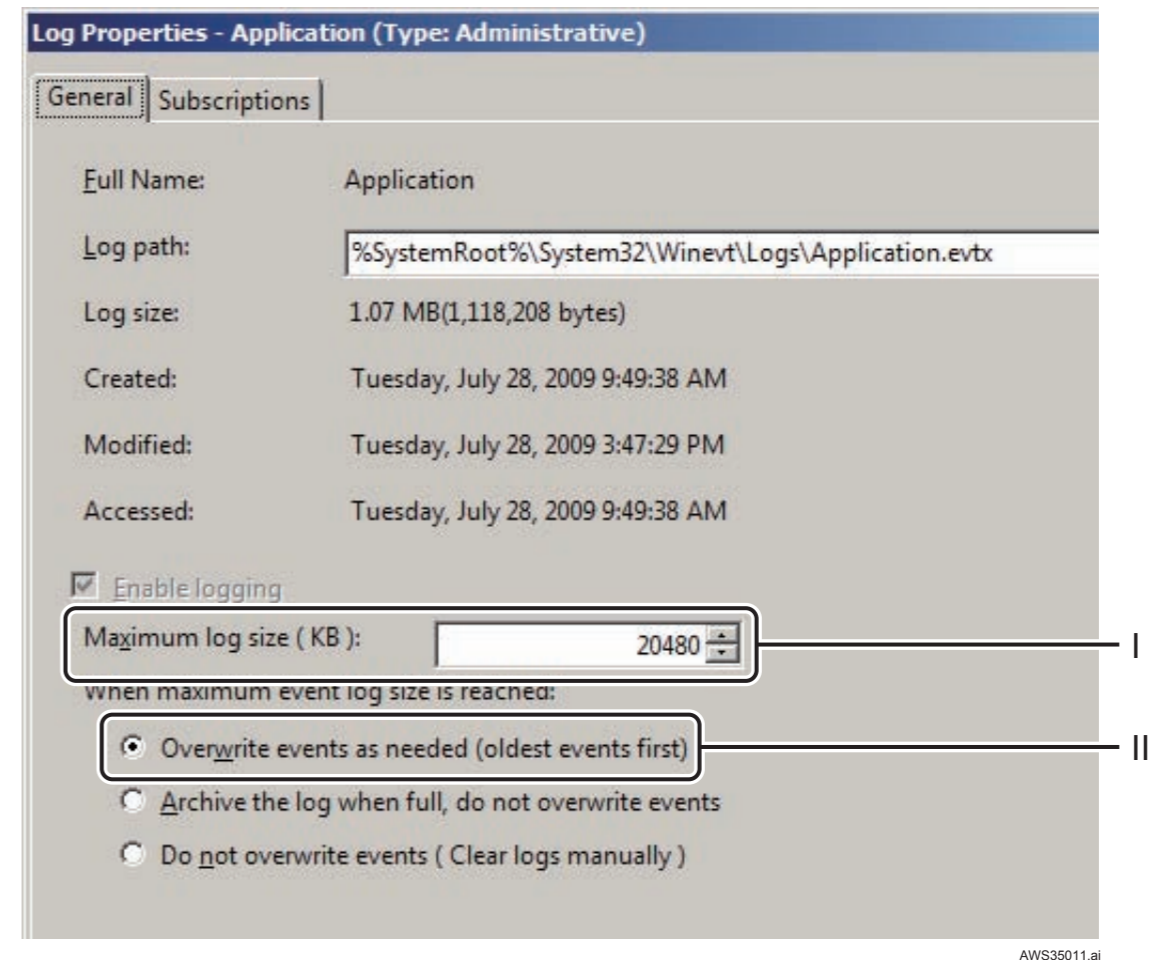
19. Setting the Event Log [Setting Done Prior to Shipment]

1. Select “Control Panel” from the  menu, and click [Administrative Tools].
→ The “Administrative Tools” window opens.
2. Double-click “Event Viewer”.
→ The “Event Viewer” window opens.
3. Right-click “Application” under “Windows Logs” and then choose “Properties” from the pop-up menu.



→ The “Log Properties - Application” window opens.

4. Make the following settings.



- I. Check that the maximum log size is “20480” KB.

◆ NOTE ◆

If the maximum log size is set to a value other than the one shown above, change it to “20480” KB.

- II. Select “Overwrite event as needed”.

5. Click .

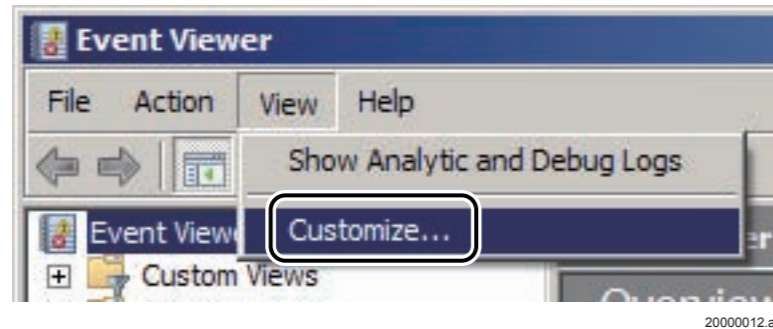
→ The system returns to the “Event Viewer” window.

6. Right-click a “System” and then choose “properties” from the pop-up menu.

→ The “Log Properties - System” window opens.

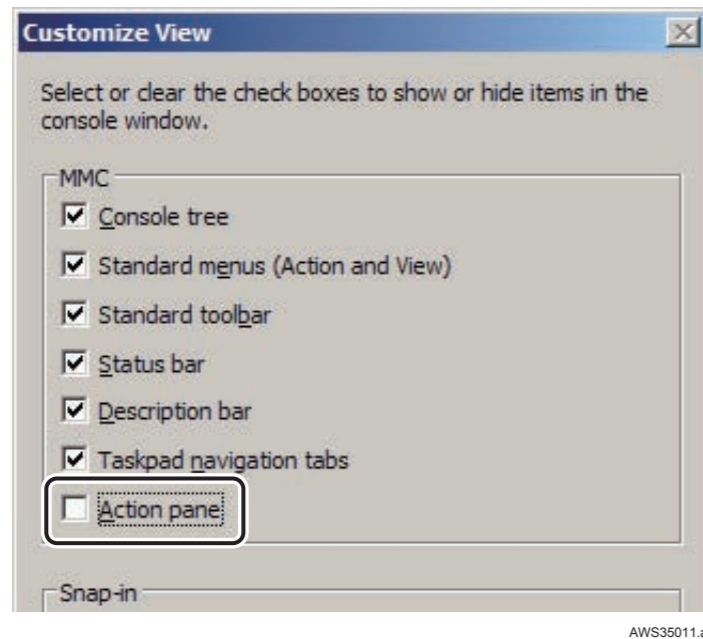
7. Perform the same procedure as in steps 4 and 5.

8. Select “Customize” from “View” menu.



→ The “Customize View” window opens.

9. Remove the checkmark from the “Action pane”.



10. Click .

→ The system returns to the “Event Viewer” window.

11. Close the “Event Viewer” window.

→ The system returns to the “Administrative Tools” window.

12. Close the “Administrative Tools” window.

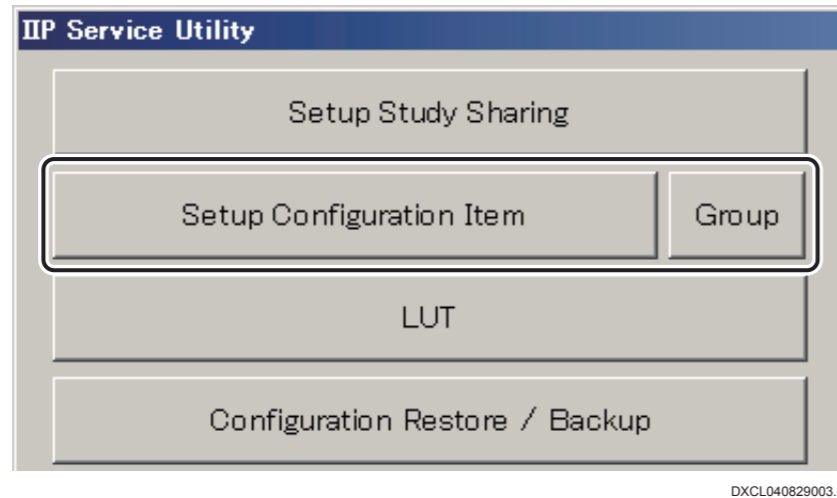
→ The system returns to the desktop screen.

20. Setting the Images Folder Size (V7.3 or later) [Setting Done Prior to Shipment]

1. Start the DR-ID 800CL Service Utility.

 For details of the procedures of starting the Service Utility, see “1. Starting/Exiting the Service Utility” under “MU: Maintenance Utility”.

2. Click [Setup Configuration Item].



→ The “Setup Configuration Item” window opens.

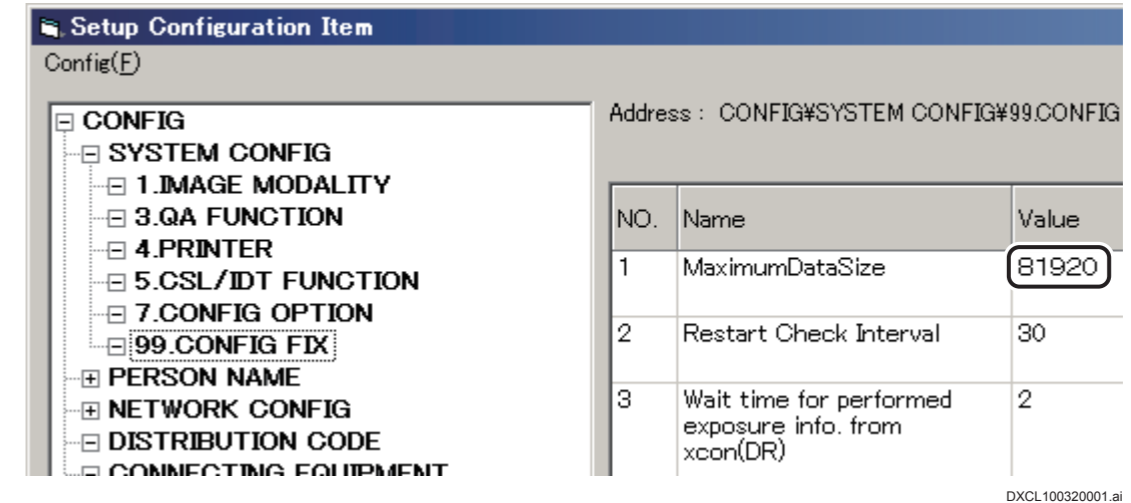


3. Click the mark of the SYSTEM CONFIG field.

4. Click 99.CONFIG FIX.

→ Setup items are displayed.

5. Set “81920” for the value of item no. 1, “MaximumDataSize”.



6. Select “Save” from the “Config” menu.

→ A confirmation window about saving the setup data opens.

7. Click .

→ The setup data is saved accordingly.

8. Select “Close” from the “Config” menu.

→ The system returns to the “IIP Service Utility” window.

9. Click [Exit Service Utility].

→ The system returns to the desktop.

21. Installing the MC Application [Setting Done Prior to Shipment]

 For details on installation procedures of MC application, see “DR-ID 800PU & Battery Charger” Service Manual.

22. Backing Up the HDD Image [Item to be Set at Installation]

 See the installation manual of the Mobile X-ray System ([Appendix] Maintenance and Inspection (How to Perform Restoration from Recovery DVD)).

BLANK PAGE

Appendix A Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix B Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix C Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix D Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix E Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

DR-ID 800CL Service Manual

MU: Maintenance Utility

Control Sheet

Issue date	Revision number	Reason	Pages affected
12/14/2012	01	New release (FM6115)	All pages
03/29/2013	02	Revision (FM6175)	113
08/30/2013	03	Revision (FM6189)	3, 4, 6, 7, 9, 13–26, 28–41, 43, 45, 47, 49, 51–73, 76, 82, 109, 111, 114, 116–132, 134–140 Appx MU B-6, 7, 10–12 Appx MU J-1, 2, 9 Appx MU O-1–4 Appx MU P-1–12 Appx MU Q-1–4
08/30/2013	03	Changes in pagination (FM6189)	8, 10–12, 27, 42, 44, 46, 48, 50, 74, 75, 77–81, 83–108, 110, 112, 113, 115, 133, 141, 142 Appx MU B-8, 9
10/31/2013	03	Changes in pagination (FM6205)	Appx MU R-1–4

1. Starting/Exiting the Service Utility

This section explains about the procedures for starting/exiting the Service Utility, which is used as a service utility tool during DR-ID 800CL installation and servicing.

Starting the Service Utility

The procedure for starting the Service Utility varies depending on whether the power of the DR system on the Mobile X-ray Unit is ON or OFF.

When the power of the DR system on the Mobile X-ray Unit is OFF

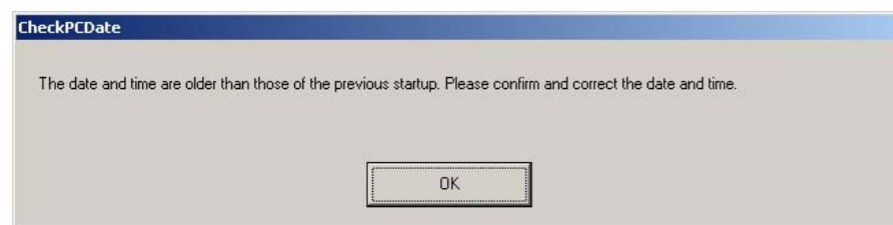
1. Turn ON the power of the DR system on the Mobile X-ray Unit.

→ Windows starts up. After about one minute, the DR-ID 800CL-AP starts.

◆ NOTE ◆

A window like that shown below opens in case the date and time displayed on the PC are older than those when it was started last time.

Click [OK] on the window that opens, and set correct date and time on the "Date/Time Properties" window.



DCL41002.EPS

If this window opens, the PC battery is possible to be dead. Use the procedure below to check.

1. Set the current date/time.
2. Turn OFF the power of the DR system on the Mobile X-ray Unit.
3. After a few minutes, turn ON the power of the DR system on the Mobile X-ray Unit.
4. Check to see that the set date/time are correct. If the date/time values revert back to those before settings, have the PC be fixed properly to change the battery.

2. When the initial window opens, sequentially click its upper left and upper right corners within a period of 3 seconds.

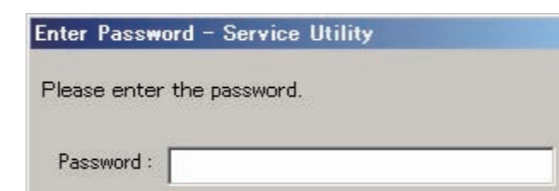
Click the upper left corner and then the upper right corner.



DXL03100001.ai

→ The "Enter Password" window opens.

3. Enter a password ("fieldengineer") to log in to the Service Utility and click .



DXL41001.ai

→ The Service Utility starts and the "IIP Service Utility" window opens.


● When the power of the DR system on the Mobile X-ray Unit is ON

1. Click “Shut Down” in the  menu.

→ The exit window opens.

2. Click  while holding down the <Shift> key.

→ The system returns to the desktop screen.

3. From the  menu, sequentially choose “All Programs”, “Fuji Film”, and “ConsoleAdvance”.

→ The DR-ID 800CL-AP starts in about one minute.

4. When the initial window opens, sequentially click its upper left and upper right corners within a period of 3 seconds.

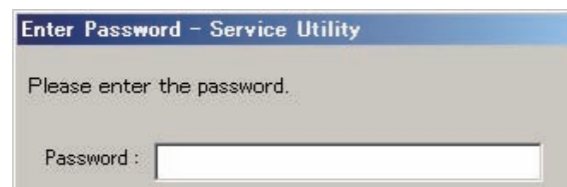
Click the upper left corner and then the upper right corner.



DXL03100001.ai

→ The “Enter Password” window opens.

5. Enter a password (“fieldengineer”) to log in to the Service Utility and click  .

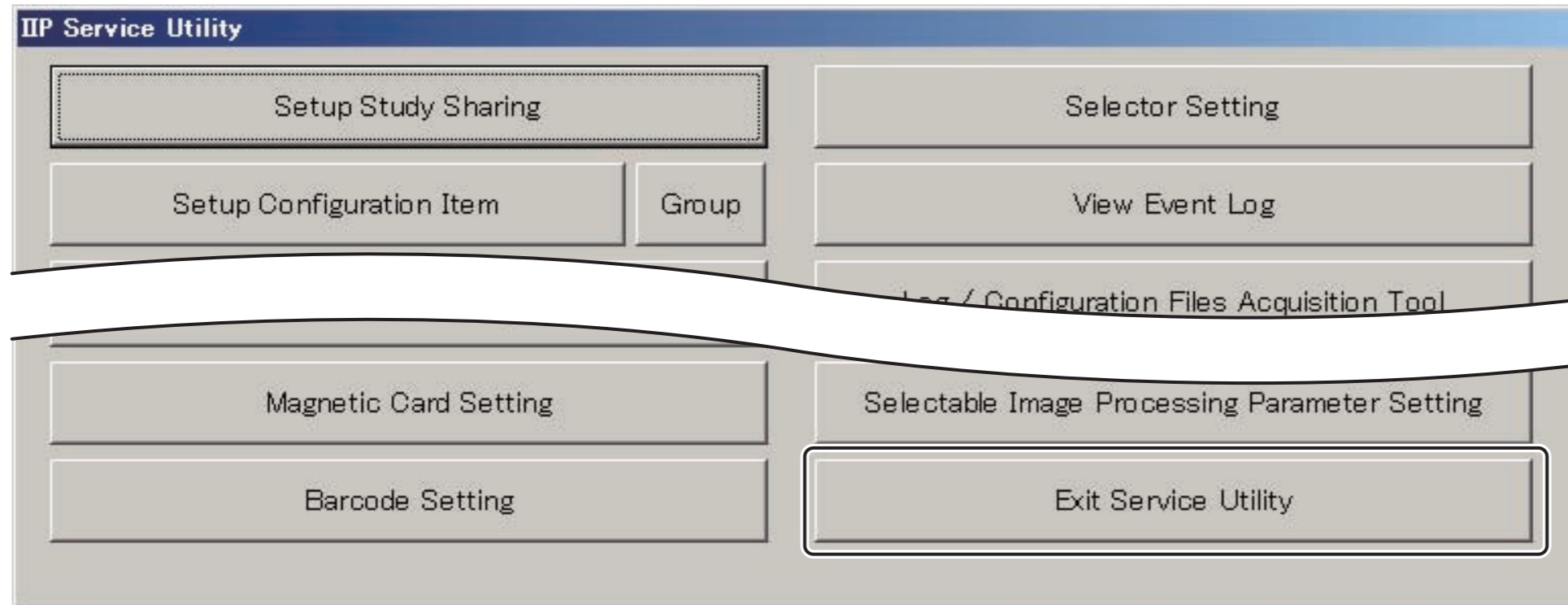


DXL41001.ai

→ The Service Utility starts and the “IIP Service Utility” window opens.

■ Exiting the Service Utility

1. Click [Exit Service Utility] on the “IIP Service Utility” window.

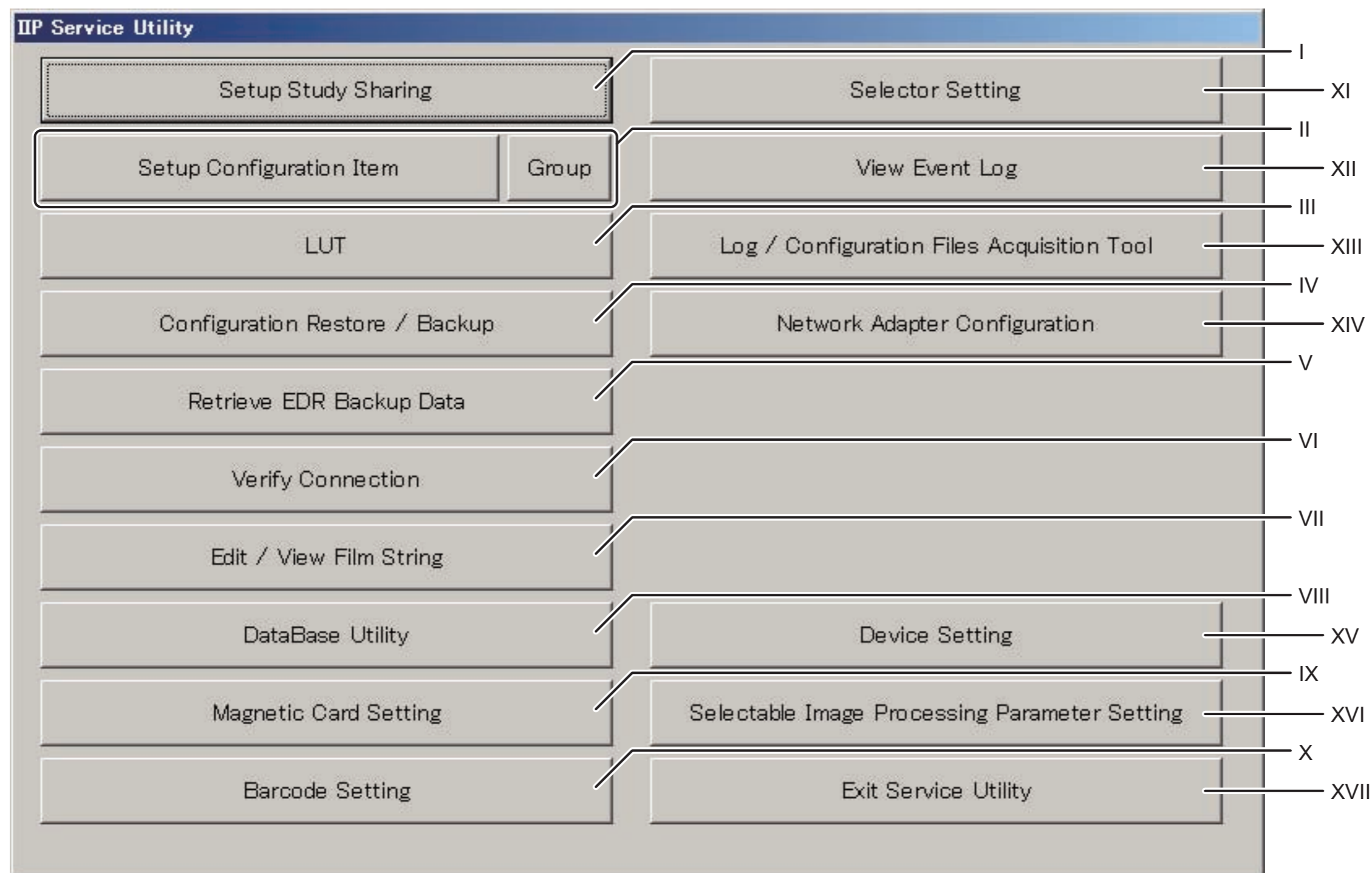


DXCL100401001.ai

→ The system returns to the desktop screen.

2. Overview of Service Utility Functions

When the Service Utility starts running, the following window (herein-after referred to as the main menu) opens.



D80C030402001.ai

● **I. Setup Study Sharing**

This menu item is used for setup of study information sharing.

◆ **NOTE** ◆

DR-ID 800CL does not support study information sharing (cluster connection). Do not use [Setup Study Sharing].

● **II. Setup Configuration Item**

This menu item is used for DR-ID 800CL system information setup, network setup, DICOM setup, automatic distribution code setup, and other setup purposes.

This is the most frequently used menu item for installation.

 For details of this window, see “[3. Various Configuration Settings — Setup Configuration Item](#)”.

➔ **REFERENCE**

Automatic distribution code setup is performed with the Service Utility. However, attribute distribution setup is performed with a user utility. Attribute distribution setup is basically performed by the user.

● **III. LUT**

This menu item is used for setup of LUT file information (a file that optimizes the window display) for the display that the DR-ID 800CL supports.

 “[4. Display Optimization — LUT](#)”

● **IV. Configuration Restore/Backup**

This menu item is used to back up or restore DR-ID 800CL setup data. The following files are backed up or restored.

Files	Contents	Remarks
SysConfig.mdb	<ul style="list-style-type: none"> • System settings • Printer settings • CSL settings • QA process settings 	
NetConfig.mdb	<ul style="list-style-type: none"> • Connected equipment information table • Connection destination setup table • DicomPrint sort destination setup table • Distribution code settings 	
PN.mdb	PN (Person Name) settings	
McrDataFormat.mdb	Magnetic card format settings	
<ul style="list-style-type: none"> • DDT_CRPrv.xml • DDT_CRPrvUnst.xml • DDT_CRStd.xml • DDT_DXPres.xml • DDT_DXProc.xml 	Settings for replacing/editing the DICOM tags	For the default setting, the files do not exist. *2
<ul style="list-style-type: none"> • Selector.mdb • All files in the “SelectorIcon” folder 	Selector setup (including the device setup etc.)	
FilmStrFmt.env	Film character definition	
BcrDataFormat.mdb	Barcode format settings	
ExposureResultLog.mdb	Setup for exposure result log output items	
<ul style="list-style-type: none"> • MWMQuerySource.inf • DDT_MWL_RQ.xml • DDT_MWL_RP.xml 	Setup information for mapping DICOM MWL C-FIND tags and internal data	For the default setting, the xml files do not exist. *2
RejectComment.mdb	Setting for comments on mis-exposed images	*1

*1 If users have customized the settings, delete the corresponding target files before restoration.

*2 A dialog warning that the files do not exist will be displayed at the time of restoration but there is no problem. Click “OK” to close the dialog.

Files	Contents	Remarks
<ul style="list-style-type: none"> • UMB_SFPD.prm • UMB_ATLAS1u.prm • UMB_ATLAS1t.prm • UMB_ATLAS2u.prm • UMB_ATLAS2t.prm • UMB_ATLAS1a.prm • UMB_PRITWO_HIGH.prm • UMB_PRITWO_NORMAL.prm • UMB_XLII_HR.prm 	Setting for unevenness removal processing	
ExposureIndex.prm	Setting for ExposureIndex display function	
<ul style="list-style-type: none"> • DDT_MPPS_NC.xml • DDT_MPPS_NS.xml 	Customize settings for PPS tag	For the default setting, the files do not exist. *2
TomoExposureCondID.xml	Settings of exposure conditions for Tomosynthesis	
TomoReconstructionMode.xml	Definition of reconstruction mode type for Tomosynthesis	
MassOrder.mdb	Setting for mass screening order issuance function	
IDMassHistory.mdb	Patient ID history	
IDAutoConvert.mdb	Setting for patient ID auto-convert function	
schema.ini	Setting for definition of examinee list file for patient ID auto-convert	
IssuanceIdMassOrder.dat	Setup of rules applied for automatic patient ID issuance	

*2 A dialog warning that the files do not exist will be displayed at the time of restoration but there is no problem. Click "OK" to close the dialog.

● V. Retrieve EDR Backup Data

This menu item is used to retrieve EDR image data stored in the DR-ID 800CL and save it on an FD or the like.

 For procedures to retrieve EDR data, see [“6. Retrieving EDR Data — Retrieve EDR Backup Data”](#).


➔ REFERENCE

The EDR data refers to data halfway through a calculation task while EDR processing is being performed. This data is used to analyze later how EDR processing was performed actually.

● VI. Verify Connection

This menu item is used to verify the connection to other connected equipment. The DR-ID 800CL offers the following connection verification functions:

- Using the PING (connected equipment host name or IP address input required) to verify the network connection to other connected equipment.
- Using connected equipment's AE name (Application Entity Name) to verify the connection to DICOM connected equipment


 For details on procedures to verify the connection with other connected equipment, see [“7. Verifying the Connection to Other Connected Equipment — Verify Connection”](#).

● VII. Edit/View Film String

This menu item is used to directly edit the file named “FilmStrFmt.env” file, which defines the film annotation character format. The tool named “View Film String” can also be used to confirm on-screen film annotation characters.

◆ NOTE ◆

The contents of the FilmStrFmt.env file are written in Unicode. Therefore, use NotePad or other Unicode-compliant text editor for editing purposes.

 For details on editing the FilmStrFmt.env file and using the View Film String, see [“8.1 Film Annotation Character Setup \(Direct Editing of FilmStrFmt\)”](#).

- **VIII. DataBase Utility**

This menu item is used to initialize image database, delete (clearing off the image output queue) accumulated images from output queue and initialize patient database.

 For details on the operation procedures, see **“9. Management of Various Databases — DataBase Utility”**.

- **IX. Magnetic Card Setting**


This menu item is used to set the data format for magnetic cards (hospital cards) and define ISO card read character code.

◆ NOTE ◆

DR-ID 800CL does not support magnetic cards. Do not use [Magnetic Card Setting].

- **X. Barcode Setting**

This menu item is used for barcode setup.

 For details on the format, see **“10. Setting the Barcode — Barcode Setting”**.


- **XI. Selector Setting**

This menu item is used for selector setup necessary when connecting FPD equipment and cassette-type Image Reader.

 For details on setup procedures, see **“11. Setting the Selectors — Selector Setting”**.

- **XII. View Event Log**

This menu item is used to launch the Event Viewer of Windows Vista. The Event Viewer allows you to confirm errors occurring in the OS or DR-ID 800CL-AP.

 For details on Event Viewer, see **“2. Using the Event Viewer” under “MT: Machine Troubleshooting”**.

- **XIII. Log/Configuration Files Acquisition Tool**

This menu item is used to compress DR-ID 800CL log files or several setup files at a time and back them up on HD. This function is useful for looking into causes of errors that occur.

 For details on procedures to collect log files and each configuration file, see **“12. Collecting the Log and Configuration Files — Log/Configuration Files Acquisition Tool”**.

- **XIV. Network Adapter Configuration (V7.3 or later)**

Registration/backup/restore of the network adapter settings for switching the network settings when DR-ID 800CL is operating.

 For setup details, see **“14. Registering the Network Adapter Settings — Network Adapter Configuration (V7.3 or later)”**.


- **XV. Device Setting**

This menu item is used to register FPD.

 For details on registration procedures, see **“13. Registering the Image Detectors — Device Setting”**.

- **XVI. Selectable Image Processing Parameter Setting (V7.3 or later)**

This menu item is used to set up the parameter range available to the user.

 For setup details, see **“15. Setting the Available Parameter — Selectable Image Processing Parameter Setting (V7.3 or Later)”**.

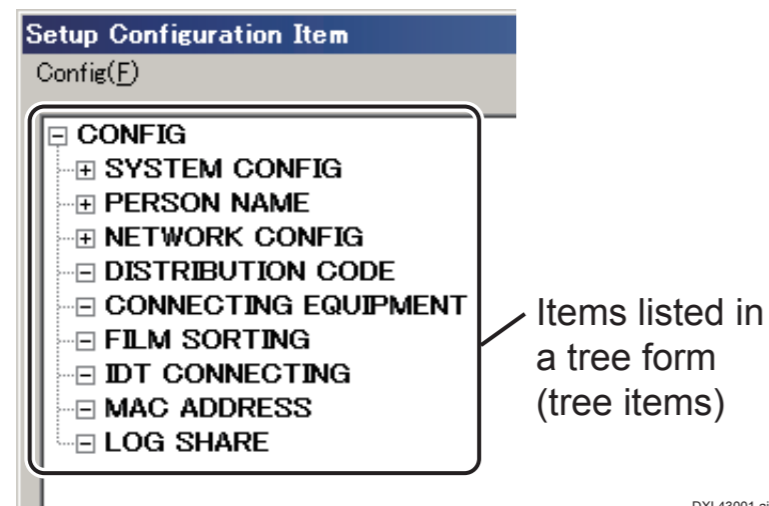
- **XVII. Exit Service Utility**

This menu item is used for exiting the Service Utility mode.

3. Various Configuration Settings — Setup Configuration Item

When you click [Setup Configuration Item] on the main menu, the following window opens.

Various items are listed in a tree form (these items are hereinafter referred to as tree items) under “CONFIG”. When you click these items, you can open windows to set detailed information for specific tree items.



The individual tree items are detailed in the following subsection.

3.1 Meanings of Individual Tree Items

In the individual tree items, the following items can be set up.

- SYSTEM CONFIG

➔ REFERENCE

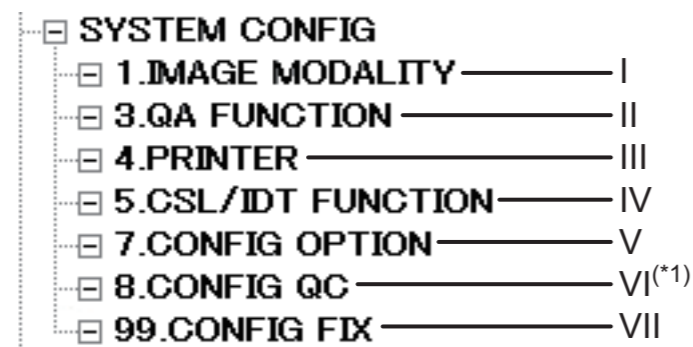
With V7.3 or later, it is possible to display the newly grouped configuration items by clicking [Group] in the main menu.

 For details on the newly grouped configuration items, see “Appendix P List of New Group Indications of Configuration Items (V7.3 or Later)”.

This tree item is used to set the basic information about the DR-ID 800CL.

Clicking the “+” sign to the left of “SYSTEM CONFIG” displays the SYSTEM CONFIG tree items.

The displayed items allow you to set the DR-ID 800CL system information (I in the window illustration below), QA functionality (II), Printout functionality (III), IDT or Console functionality (IV), trimming functionality (V), Image Reader QC functionality (VI), and other functionality (VII).




D80C010403001.ai

(*1) “8.CONFIG QC” appears only when the Image Reader QC option key has been installed.


 For details on “1. IMAGE MODALITY”, see “3.4 Configuration Details — 1. IMAGE MODALITY”.

 For details on “3. QA FUNCTION”, see “3.5 Configuration Details — 3. QA FUNCTION”.

 For details on “4. PRINTER”, see “3.6 Configuration Details — 4. PRINTER”.

 For details on “5. CSL/IDT FUNCTION”, see “3.7 Configuration Details — 5. CSL/IDT FUNCTION”.

 For details on “7. CONFIG OPTION”, see “3.8 Configuration Details — 7. CONFIG OPTION”.

 For details on “8. CONFIG QC”, see “3.9 Configuration Details — 8. CONFIG QC”.

 For details on “99. CONFIG FIX”, see “3.10 Configuration Details — 99. CONFIG FIX”.

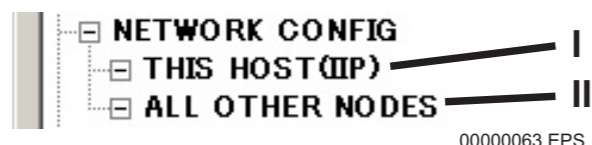
- PERSON NAME

This tree item is used to define the sequence of patient name elements and characters that delimit names. Clicking the “+” sign to the left of “PERSON NAME” displays the items for defining the details of PERSON NAME.

 For details on PERSON NAME, see “3.11 Setting the Name Elements for DICOM Connection”.

- NETWORK CONFIG

This tree item is used to set the DR-ID 800CL/connected equipment network information and perform DICOM setup. Clicking the “+” sign to the left of “NETWORK CONFIG” displays the NETWORK CONFIG tree items. The displayed items allow you to set the DR-ID 800CL main unit information (I in the window illustration below) and connected equipment information (II).



- DISTRIBUTION CODE

This tree item is used to perform automatic distribution code setup so that images can be distributed automatically to a device of FILE attribute.

- CONNECTING EQUIPMENT

This tree item is used to define the connected equipment that is connected to the DR-ID 800CL.

- FILM SORTING

This tree item is used to define the film sorting conditions for DICOM prints.

 For details on FILM SORTING, see “3.12 Setting Up the DICOM Print Film Sorting Function”.

- IDT CONNECTING

This item is not used with the DR-ID 800CL.


- MAC ADDRESS

This tree item is used to prevent error occurrence that disables Mac Address to be acquired at DR-ID 800CL-AP startup.

 For details on MAC ADDRESS, see “3.13 MAC Address Manual Input”.

- LOG SHARE

This tree item is used to register the target DR-ID 800CL’s host name and IP address when using the Retake Analysis function and the IP use count calculation function.

 For details on LOG SHARE, see “3.14 Log Information Sharing Function Setup”.

3.2 Editing the Listed Configuration Items

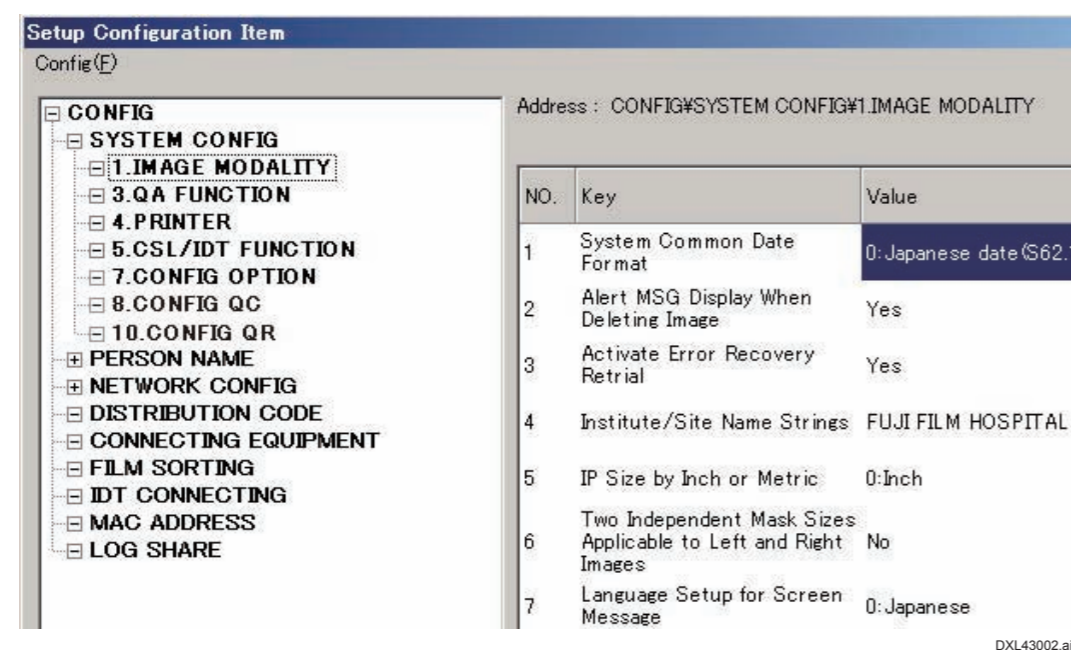
When you click a tree item in the left-hand area of the Setup Configuration Item window, a list of setup items appears in the right-hand area of the window (this list is hereinafter referred to as a configuration list).

This section explains about the procedure for editing the setup items in a configuration list.

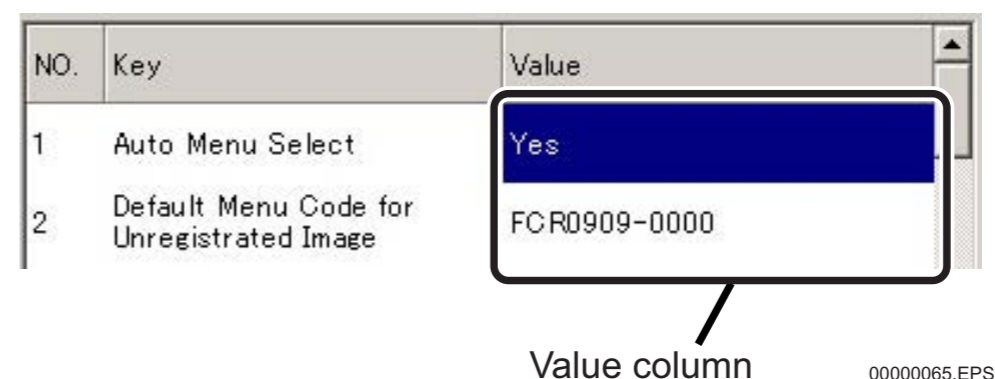
➔ REFERENCE

A configuration list appears when you click the following tree items:

- A maximum of five tree items under “SYSTEM CONFIG”
(Display items are different depending on the used software version and options.)
- PERSON NAME



1. Double-click the Value column to the right of a configuration item name.



2. Edit a configuration item.

- When the column you double-clicked changes to a direct input field (e.g.,)
 - I. With the mouse, select the text to be edited, and then key in new text.
- When the column you double-clicked changes to a pull-down menu (e.g.,)
 - I. Click the downward arrow mark () for the pull-down menu (e.g.,), and then choose a target item from the pull-down menu.
- When the column you double-clicked changes to a field with upward and downward arrow marks (e.g.,)
 - I. Click the upward arrow mark () or downward arrow mark () to change the value as desired.

3.3 Saving the Configuration Data

To save the configuration data, perform either of the following procedures with the mouse or keyboard:

- Saving with the mouse
 - 1. From the “Config (F)” menu, click “Save (V)”.**
 - A confirmation window opens.
 - 2. Click [YES].**
 - The system saves the edited configuration data.

- Saving with the keyboard
 - 1. Hold down the <Alt> key and press the <F> key.**
 - A pull-down menu opens.
 - 2. Press the <V> key.**
 - A confirmation window opens.
 - 3. Press the <Enter> key.**
 - The system saves the edited configuration data.

3.4 Configuration Details — 1. IMAGE MODALITY

■ IMAGE MODALITY setup items

No.	Name	Selection	Meaning	Remarks
1	System Common Date Format	<input type="radio"/> 0 : Japanese date (S62.10.07) <input checked="" type="radio"/> 1 : ANSI long date (1987.OCT.07) <input type="radio"/> 2 : ANSI short date (1987.10.07) <input type="radio"/> 3 : American long date (OCT.07.1987) <input type="radio"/> 4 : American short date (0.07.1987) <input type="radio"/> 5 : European long date (07.OCT.1987) <input type="radio"/> 6 : European short date (07.10.1987)	Specifying the date format to be used in medical institutions. * The date format is applicable in common to entry of the date of birth, monitor display, film output, and all other date-related representations. * By default, "0: Japanese date" is determined in the DR-ID 800CL-AP Disk.	
2	Alert MSG Display When Deleting Image	<input checked="" type="radio"/> Yes After selecting [Delete], the confirmation screen for image deletion will be displayed. Pressing [OK] will delete the specified item. <input type="radio"/> No After selecting [Delete], the confirmation screen for image deletion will not be displayed and the specified item deleted immediately.	Specifying whether or not to display the confirmation screen for image deletion before actually deleting an image.	
3	Activate Error Recovery Retrial	<input type="radio"/> Yes The system continues retrial processing until the connected devices are recovered. Once recovered, it automatically continues output (including printout) of image accumulated on the output queue. <input type="radio"/> No The system does not output (print) images in "standby" status unless it manually outputs (including printout) such images.	Specifying whether or not to activate retrial processing after the error occurrence.	
4	Institute/Site Name Strings	A maximum of 60 one-byte character. (<input checked="" type="radio"/> FUJIFILM HOSPITAL)	Setting the medical institution name (in 1-byte characters). * For language setup of one-byte characters, a hospital name specified here will be printed on film. * Be sure to use 1-byte characters for entering medical institution name as they are used in the DMS system. * Make sure to enter 1-byte characters on the keyboard. * The default number of characters printed on film is 20 at a maximum.	


⊙ : Default setting, *: Note

■ IMAGE MODALITY setup items

No.	Name	Selection	Meaning	Remarks
7	Language Setup for Screen Message	<input type="radio"/> 0 : Japanese <input checked="" type="radio"/> 1 : English <input type="radio"/> 2 : German <input type="radio"/> 3 : French <input type="radio"/> 4 : Spanish <input type="radio"/> 5 : Italian <input type="radio"/> 6 : Swedish <input type="radio"/> 7 : Finnish <input type="radio"/> 8 : Danish <input type="radio"/> 9 : Norwegian <input type="radio"/> 10 : Korean <input type="radio"/> 11 : ChineseSimple <input type="radio"/> 12 : ChineseTraditional <input type="radio"/> 13 : Portuguese <input type="radio"/> 14 : Polish <input type="radio"/> 15 : Hungarian <input type="radio"/> 16 : Czech <input type="radio"/> 17 : Russian <input type="radio"/> 19 : Turkish <input type="radio"/> 21 : Greek <input type="radio"/> 22 : Romanian	Specifying the language used. * Change the setting as necessary for a desired language.	
8	Institute/Site Name in Two-Byte Characters	A maximum of 15 two-byte characters. (<input checked="" type="radio"/> Blank)	Specifying the kanji medical institution name. * Be sure to enter two-byte characters on the keyboard. (Using the <Alt>+<全角/半角> keys, the character entry mode can be made available for entering two byte characters.) * The default number of characters printed on film is 15 at a maximum. * For language setup of two-byte characters, a hospital name specified here will be printed on film.	
9	UID Issuance after Modifying ID Information	<input type="radio"/> Yes Issues new image UID and SOP Instance UID. <input checked="" type="radio"/> No Does not issue new image UID and SOP Instance UID.	Specifying whether or not to issue new image UID and SOP Instance UID when modifying the patient, study, series or image information. * Select "Yes" if you wish to identify images for each modification.	
10	UID Issuance after Modifying Normalized Parameter	<input checked="" type="radio"/> Yes Issues new image UID and SOP Instance UID. <input type="radio"/> No Does not issue new image UID and SOP Instance UID.	Specifying whether or not to issue new image UID and SOP Instance UID when modifying the conditions for normalization. * Select "Yes" if you wish to identify images for each modification.	
11	UID Issuance after Modifying Image Processing Parameter	<input type="radio"/> Yes Issues new image UID and SOP Instance UID. <input checked="" type="radio"/> No Does not issue new image UID and SOP Instance UID.	Specifying whether or not to issue new image UID and SOP Instance UID when modifying image processing parameters. * Select "Yes" if you wish to identify images for each modification.	
12	UID Issuance Before Sending Processed Data	<input checked="" type="radio"/> Yes Issues new image UID and SOP Instance UID. <input type="radio"/> No Does not issue new image UID and SOP Instance UID.	Specifying whether or not to output an SOP Instance UID as the processed CR image UID when generating processed image output.	

: Default setting, *: Note

■ IMAGE MODALITY setup items

No.	Name	Selection	Meaning	Remarks
13	DICOM Series Generation Logic	<input checked="" type="radio"/> 0 : 1 Study - N series and 1 Series - 1 image Issues a number so that it has multiple series for one study and only one image for one series. <input type="radio"/> 1 : 1 Study - N series and 1 Series - M image Issues a number so that it has multiple series for one study and multiple images for one series. <input type="radio"/> 2 : 1 Study - 1 series and 1 Series - N image Issues a number so that it has only one series for one study and multiple images for one series.	Specifying the series generation logic.  “■ Detailed explanations”	
14	System Recognition ID (A to Z)	A_Z (<input checked="" type="radio"/> A)	Setting the system ID. * Reflected on the image attributes and used for automatic study number generation. * Assign a unique ID individually for each equipment unit. * Be sure to enter one-byte characters on the keyboard.	
16	SOP Class UID for PPS When No FILE Attribute Output	<input checked="" type="radio"/> 1.2.840.10008.5.1.4.1.1.1 <input type="radio"/> 1.2.392.200036.9125.1.1.2	Specifying an SOP Class UID that is sent back to PPS when no other connected hosts are set up as the destinations for FILE attribute image output. * SOP Class UID will be sent back to PPS as follows. (1) : If the destination for output is set in User Utility, SOP class of its destination for output will be applied. (2) : If the destination for output is not set in User Utility, the topmost SOP class which is set to the distribution code will be applied. (3) : If (1) and (2) above are not set, the setting of No. 16 will be applied.	
17	Protocol Name for PPS	<input checked="" type="radio"/> 0 : Function Code Sets up a Code (function codes such as RT, TS, ES, etc.). <input type="radio"/> 1 : ANK Menu Name Sets up a Menu Name (exposure menu) in alphanumerics.	Specifying a value used for setup of the “Protocol Name” for PPS.	
18	Display Performed Procedure on Worklist Tab	<input type="radio"/> Yes <input checked="" type="radio"/> No	Specifying whether or not to display an already performed study in the DR-ID 800CL work list. For a study already performed, specifying NO will hide it even if its related information is sent from MWM. Basically, specify NO when the PPS function is not available.	
19	Kind of Output Image (Energy Subtraction)	<input checked="" type="radio"/> 0 : L, H, B, S <input type="radio"/> 1 : L, B, S <input type="radio"/> 2 : L, S <input type="radio"/> 3 : L, B <input type="radio"/> 4 : L, H L : Low-energy image H : High-energy image B : Bone image S : Soft tissue image	Specifying a combination of image types to be transferred to other connected equipment.	

⊙ : Default setting, *: Note

■ IMAGE MODALITY setup items

No.	Name	Selection	Meaning	Remarks
21	Connection Between Reader and Console	<input checked="" type="radio"/> 1: N-N N-N connection <input type="radio"/> 2: N-N (Not Use IP Barcode) N-N connection (Not Use IP Barcode)	Setting connection conditions of DR-ID 800CL and RU.	
22	Long Type Character Format	<input type="radio"/> Yes Decreases the font sizes to increase the number of displayable characters. <input checked="" type="radio"/> No Does not increase the number of displayable characters.	Specifying the font sizes of the ID number and other items for CRT display and film annotation character printing. * Note that the item to be specified for actually increasing the number of characters is separately available. * This is the setup item in V7.0.	
23	Tag Mapped on Study Menu at MWM Use	<input checked="" type="radio"/> 0040, 0100>0040, 0007	DICOM-defined tag numbers to be mapped onto a study menu for MWM use. * Be sure to enter one-byte characters on the keyboard.	
24	Perform Mapping to Exposure Menu at MWM Use	<input checked="" type="radio"/> Yes Performs mapping. <input type="radio"/> No Does not perform mapping.	Specifying whether or not to perform mapping for study and exposure menus during MWM use. If "No" is selected, only the patient information will be used to initiate a study process (the exposure menu or other data will not be transmitted).	
25	Display Dialog When Failed in Mapping to Menu at MWM Use	<input checked="" type="radio"/> Yes Opens a warning window. <input type="radio"/> No Does not open a warning window.	Specifying whether or not to open a warning window when mapping is not successfully performed for a DR-ID 800CL study menu or exposure menu during MWM use.	
26	Use Study InstanceUID from RIS	<input checked="" type="radio"/> Yes Uses the Study Instance UID sent from the RIS. <input type="radio"/> No Does not use the Study Instance UID sent from the RIS.	Specifying whether or not to use the Study Instance UID that is transmitted from the F-RIS. * To enable the MWM Order function, the StudyInstanceUID must be received unfaillingly from the RIS. Unless otherwise, no studies can be started.	

: Default setting, *: Note

■ IMAGE MODALITY setup items

No.	Name	Selection	Meaning	Remarks
27	StudyInstanceUID Generation Logic	<input type="radio"/> Type1 <company name>.2.1.<study number> <input type="radio"/> Type2 <company name>.2.2.<study date><modality>.<study number> <input type="radio"/> Type3 <company name>.2.3.<study date><modality>.<patient ID> <input type="radio"/> Type4 <company name>.2.4.<study date>.<patient ID>.<requesting department> <input type="radio"/> Type5 <company name>.2.5.<order number> <input type="radio"/> Type6 <company name>.2.6.<study date>.<order number> <input checked="" type="radio"/> Type7 <company name>.2.<MAC address>.<TimeStamp>.<machine-dependent ID number>	Study Instance UID number issue type for DR-ID 800CL internal number issuance. * If the order number does not exist or the Study Instance UID is longer than specified, the system automatically uses Type7.	
28	Dicom Storage Output Connection Number	1 to 4 (⊙ 3)	Number of connections simultaneously available for Dicom Storage output generation.	
29	Image Number Generation Logic	<input checked="" type="radio"/> 0 : System ID+Serial Number Attaches a machine shipment control number. <input type="radio"/> 1 : Serial Number Does not attach a machine shipment control number.	Specifying whether or not to attach a machine shipment control number to the beginning of the Image Number. This number is printed on film as well.	
30	Display Pixel Size	⊙ 297	Constant applicable to an image displayed at 100% size for QA purpose. To be changed in accordance with the monitor type. 15" touch panel LCD monitor : 297 * By default, "264" is determined in the DR-ID 800CL-AP Disk.	
32	Kind of Print Image (Image Combining Process)	<input type="radio"/> 0 : Original Original image only. <input checked="" type="radio"/> 1 : Original+Combined Original image and combined image (reduced to 35×43cm image). <input type="radio"/> 2 : Combined Combined image only (reduced to 35×43cm image). <input type="radio"/> 3 : Combined (Lifesize) Combined image (life size) <input type="radio"/> 4 : Combined (Lifesize)+Combined Combined image (life size) + combined image (reduced to 35×43cm image).	Specifying image type of the film output that is generated upon image combination. When you are specifying 3 or 4 (life-size image output) for the setup value, also confirm setup values for Nos. 75 and 76 of PRINTER setup items. * This setting can also be changed from User Utility. The latest setting takes effect no matter which utility is used.	

⊙ : Default setting, *: Note

■ IMAGE MODALITY setup items

No.	Name	Selection	Meaning	Remarks
33	Kind of Transfer Image (Image Combining Process)	<input type="radio"/> 0 : Original Original image only. <input checked="" type="radio"/> 1 : Original+Combined Original image and combined image (reduced to 35×43cm image). <input type="radio"/> 2 : Combined Combined image only (reduced to 35×43cm image). <input type="radio"/> 3 : Combined(Lifsize) Combined image (life size) <input type="radio"/> 4 : Combined(Lifsize)+Combined Combined image (life size) + combined image (reduced to 35×43cm image). <input type="radio"/> 5 : Combined(Lifsize2) Combined image (life size 2) <input type="radio"/> 6 : Original+Combined(Lifsize2) Original image and combined image (life size 2).	Specifying image type of the network output that is generated upon image combination. * This setting can also be changed from User Utility. The latest setting takes effect no matter which utility is used.	
34	Enable Statistical Info. Output	<input type="radio"/> Yes Enables the exposure result data file output function. <input checked="" type="radio"/> No Disables the exposure result data file output function.	Specifying whether or not to output an exposure result data file. Exposure result data : Patient ID, patient name, study date, study time, anatomical region, exposure menu, etc.	
35	Modality Setup for Mammography Image	<input type="radio"/> 0 : MG <input checked="" type="radio"/> 2 : CR	Specifying the study modality for mammography. The specified modality is used to perform the study. * When you changed this setting, initialize the image DB.	
37	Enable Security Function	<input checked="" type="radio"/> Yes Uses the user authentication function. <input type="radio"/> No Does not use the user authentication function.	Specifying whether or not to use the user authentication function. * By default, "No" is determined in the DR-ID 800CL-AP Disk.	
38	Link User Account to Operator's Name	<input type="radio"/> Yes Displays the login user name in the radiographer name field. <input checked="" type="radio"/> No Does not display the login user name in the radiographer name field.	Specifying whether the radiographer name field should display the name of a user who logs in with the user authentication function.	
39	UID Issuance about a function (except Image Processing) to change to the image themselves	<input checked="" type="radio"/> Yes Issues a new image UID/SOP Instance UID number. <input type="radio"/> No Does not issue a new image UID/SOP Instance UID number.	Specifying whether or not to issue a new image UID/SOP Instance UID number when an image data editing process (other than image processing) was performed. * When an image obtained after editing is to be differentiated from the original one, choose "Yes". * This image data editing process involves shuttering processing, marker processing and annotation.	

☉ : Default setting, *: Note

■ IMAGE MODALITY setup items

No.	Name	Selection	Meaning	Remarks
40	Rotate the 2nd Stitching Image	<input checked="" type="radio"/> Yes Rotates the second image 180 degrees. <input type="radio"/> No Does not rotate.	Specifying whether or not to rotate the second image 180 degrees for long-view menu (function: WS) automatic generation. * When a Fuji Film's long-view cassette is used, it is necessary to rotate the second image 180 degrees.	At an institution where double and triple longview cassettes are used mixed, set both of 40. and 41. to "Yes". For a double cassette, rotate the second image by 180° and for a triple cassette, rotate the third image by 180°.
41	Rotate the 3rd Stitching Image	<input type="radio"/> Yes Rotates the third image 180 degrees. <input checked="" type="radio"/> No Does not rotate.	Specifying whether or not to rotate the third image 180 degrees for long-view menu (function: WS) automatic generation.	
42	Enable Stitching Edge Adjustment	<input checked="" type="radio"/> Yes Enables the stitching edge adjustment function. <input type="radio"/> No Disables the stitching edge adjustment function.	Specifying whether or not to enable the stitching edge adjustment function for images generated with the long-view menu (function: WS). * You should basically choose "Yes".	
43	Cut IP Edge for Stitching	<input checked="" type="radio"/> Yes Cuts the IP edge. <input type="radio"/> No Does not cut the IP edge.	Specifying whether or not to cut the IP edge when combining images that are generated with the long-view menu (function: WS). * You should basically choose "No".	
44	Use Series Identification From F-RIS	<input type="radio"/> Yes Uses series ID number. <input checked="" type="radio"/> No Does not use series ID number.	Specifying whether or not to use an ID number (new tag) when the F-RIS is connected. * To set "Yes", make sure ahead of time that the F-RIS server version is compatible with this option.	
45	UID Issuance after Modifying Trimming Parameter	<input checked="" type="radio"/> Yes Issues a new number. <input type="radio"/> No Does not issue new number.	Specifying whether or not to issue a new image UID or SOP Instance UID as trimming information is modified.	
46	UID Issuance after Modifying FNC Parameter	<input checked="" type="radio"/> Yes Issues a new number. <input type="radio"/> No Does not issue a new number.	Specifying whether or not to issue a new image UID/SOPInstance UID number when FNC parameters are changed.	

☉ : Default setting, *: Note

■ IMAGE MODALITY setup items

No.	Name	Selection	Meaning	Remarks
47	Quantity which paints inside the recognition result of the chest wall[x0.01mm]	<input checked="" type="radio"/> 0 (0-200)	Specifying the paint area for the mammographic chest wall shuttering process. * The chest wall shuttering process exercises a blackening function to automatically paint out the chest wall's transparent portion that may result from a bend or other inadequacy during IP reading. * Specifies a quantity that is variable in 0.01 mm increments from 0.00 to 2.00 mm.	
48	Apply GS Filter To 8 × 10 / 1824 Image	<input checked="" type="radio"/> Yes Perform GS conversion. <input type="radio"/> No Does not perform GS conversion.	Specifying whether or not to subject 8" × 10"/18 × 24 cm standard-pixel density images to GS conversion. * If "No" is chosen, a moire pattern may appear in a film output and the like. * This will be applied only to CR images.	
51	Use Reject Comment	<input checked="" type="radio"/> Yes Enables the entry. <input type="radio"/> No Disables the entry.	Specifying whether to enable or disable entry of comment on mis-exposed images. * By default, "No" is determined in the DR-ID 800CL-AP Disk.	
52	Time Until Auto Log Off	<input checked="" type="radio"/> 0 (0-60)	Specifying the time (represented in minutes) until when auto logoff takes place. * Note that if 0 is set, no auto logoff will take place.	
53	Horizontal UMB Processing for VELOCITY & PRELIO	<input checked="" type="radio"/> 0 : ALL OFF No image unevenness removal processing is applied. <input type="radio"/> 1 : ON Table Type Only Image unevenness removal processing is applied only to the table type (CR-IR 364T, CR-IR 367, CR-IR 370, CR-IR 371 and CR-IR 372) equipment. <input type="radio"/> 2 : ON Upright Type Only Image unevenness removal processing is applied only to the upright type (CR-IR 364U and CR-IR 366) equipment. <input type="radio"/> 3 : ALL ON Image unevenness removal processing is applied to all equipment types.	Specifying whether or not to apply image unevenness removal processing to the table type (CR-IR 364T, CR-IR 367, CR-IR 370, CR-IR 371 and CR-IR 372) and upright type (CR-IR 364U and CR-IR 366) Image Readers. * Specify "ON" only for newly installed types models or mobile types on which an image unevenness problem arose as it was subjected to undue vibrations. Specify "OFF" for equipment newly installed at a hospital or already-installed mobile types.	
54	Modality Setup	<input type="radio"/> 0 : DX <input checked="" type="radio"/> 1 : CR	Specifying a study modality. The specified modality is used to perform the study. * To connect a cassette-type CR Image Reader, select "1:CR". * Available DICOM Storage Service Class varies with specified study modality. For details, see all of the settings of DICOM Storage. * When you changed this setting, initialize the image DB.	

: Default setting, *: Note

■ IMAGE MODALITY setup items

No.	Name	Selection	Meaning	Remarks
55	DICOM Station Name	<input checked="" type="radio"/> None	Setting the DICOM Tag Station Name (0008,1010). If nothing is set here, the host name is set for the Station Name. * Be sure to enter a 1-byte character string from the keyboard. * A maximum of 16 alphanumerics can be set up.	
56	Gradients(x10) of LUT used for Preview Image	<input checked="" type="radio"/> 13 (1-1000)	Setting inclination of a linear LUT used when displaying preview images derived from the FPD. Specify a 10x value.	
57	UID Issuance after Modifying CRF Parameter	<input checked="" type="radio"/> Yes <input type="radio"/> No	Specifying whether or not to issue new image UID and SOPInstanceUID when the CRF parameter (sharpness processing parameter) was modified. * Choose "Yes" if you wish to identify the image that was subjected to modification.	
61	Use Password Security	<input type="radio"/> Yes Enabled. <input checked="" type="radio"/> No Not enabled.	Specifying whether or not to enable the PAS security function.	
62	Password for PAS Security	Up to 16 one-byte characters. (<input checked="" type="radio"/> 19750225)	Password for PAS security function privilege. * Be sure to enter one-byte characters from the keyboard.	
64	Edge Adjust Flag For FPD	<input checked="" type="radio"/> Yes Adjusted. <input type="radio"/> No Not adjusted.	Specifying whether or not to adjust the joint section between images when performing an FPD long-view exposure.	
65	Fov Cut UD	Up to 16 one-byte characters. (<input checked="" type="radio"/> 0, 0)	Mechanical error occurring vertically on an FPD long-view image [μ m]. * Determine the standing position setup value and the supine position setup value by delimiting them with a comma. * Valid setup range: 0 to 30000	
66	Fov Cut LR	Up to 16 one-byte characters. (<input checked="" type="radio"/> 0, 0)	Mechanical error occurring horizontally on an FPD long-view image [μ m]. * Determine the standing position setup value and the supine position setup value by delimiting them with a comma. * Valid setup range: 0 to 30000	
67	Use Service Utility Password	<input type="radio"/> Yes Enables the Service Utility password function. <input checked="" type="radio"/> No Disables the Service Utility password function.	Specifying whether to enable or disable the Service Utility password function. * By default, "Yes" is determined in the DR-ID 800CL-AP Disk.	

: Default setting, *: Note

■ IMAGE MODALITY setup items

No.	Name	Selection	Meaning	Remarks
68	Software KeyBoard Program Path	Up to 256 one-byte characters. (☉ C:/WINDOWS/system32/osk.exe)	Specifying the software keyboard. * When the value is not set, software keyboard is not available. * By default, "not determined" is determined in the DR-ID 800CL-AP Disk.	
69	USB Memory Security Soft Path	Up to 256 one-byte characters. (☉ E:/IMATION_DISK_MANAGER_V_a.exe)	Specifying security software of USB flash drive. * By default, "not determined" is determined in the DR-ID 800CL-AP Disk.	
70	Enable Marking Stitched Image	☉ Yes Stitched image markers are to be embedded. ○ No Stitched image markers are not to be embedded.	Specifying whether or not to embed markers on the stitched image (reduced 14"×17" size).	
73	The Priority used to filter target records when AutoDelete runs	☉ 0 MEDIA images are deleted first. ○ 1 The images whose dates of inspection are older are deleted first.	Setting priorities of images deleted by automatic deletion function.	
83	Use Output WW	☉ No Does not convert to a fixed value. ○ Yes Converts to a fixed value.	Specifying whether or not to convert WW to a fixed value when outputting unstandardized images. * This setting is valid only for CR mammography images.	
86	Term Password	☉ 0 (0-365)	Specifying the valid period of the password (unit: day) * If this item is set to "0", the period of password will be unlimited.	
87	Notify Term Password	☉ 0 (0-365)	Specifying the advance notice of the password change (unit: day) * If this item is set to "0", the advance notice will not be implemented. * If the set value is higher than those of item No. 86, the advance notice will not be implemented.	
300	Monitor1 Resolution Setting	☉ 0 : 1024 × 768 ○ 1 : 1280 × 1024 ○ 2 : 1600 × 1200 ○ 3 : 1280 × 800 ○ 4 : 1366 × 768	Setting the image resolution of the main monitor. Specifying in the format of "Width (pixel) × Height (pixel)". * By default, "1: 1280 × 1024" is determined in the DR-ID 800CL-AP Disk.	
301	Enable Free Size Trimming	○ Yes Enables the free size trimming function. ☉ No Disables the free size trimming function.	Specifying whether or not to enables the free size trimming function. * If output B4 trimming with 10" × 14" size, set to "Yes".	

☉ : Default setting, *: Note

■ IMAGE MODALITY setup items

No.	Name	Selection	Meaning	Remarks
302	Display Motion Correction	<input type="radio"/> Yes Enables the gap amount display and the warning. <input checked="" type="radio"/> No Disables the gap amount display and the warning.	Specifying whether or not to enable the gap amount display and the warning for joint parts.	
303	Motion Warning Value	<input checked="" type="radio"/> 2 (1-10)	Gap amount (mm) to display the warning by the motion detection.	
304	FLP DiskUsage Limit Size	<input checked="" type="radio"/> 10000 (1 or larger)	Free disk space (MB) necessary to use the free layout print function.	
305	User Utility Guest Password	Up to 20 characters (<input checked="" type="radio"/> Guest)	Password for the guest account of User Utility. (The user name is fixed as "Guest".) * The user name and password for service engineers have been fixed to the following: User name : FFService Password : fieldengineer * When "Yes" is specified for item no. 37, the guest account becomes invalid.	
307	Link User Account to Verifying Observer Name (The Person done the QA Complete)	<input type="radio"/> Yes Sets up the current login user to the person who done the QA complete. <input checked="" type="radio"/> No Does not set up the current login user to the person who done the QA complete.	Specifying whether or not to set up the current user to the person who done the QA complete (0040,A075) when manually completing the QA.	
308	Enable AutoQA Complete	<input type="radio"/> Yes Uses the QA auto completion function. <input checked="" type="radio"/> No Does not use the QA auto completion function.	Specifying whether or not to use the QA auto completion function. * This item can also be set up using the User Utility function. The item set up the last will be valid.	
309	AutoQA Complete Time	<input checked="" type="radio"/> 20 (5-720)	Time to the QA auto determination (by minute). * This item can also be set up using the User Utility function. The item set up the last will be valid.	
312	Enable Exposre Index Function	<input type="radio"/> Yes Enables Exposure Index function. <input checked="" type="radio"/> No Disables Exposure Index function.	Specifying whether or not to enable the Exposure Index function.	
313	Period [Days] of log keeping	<input checked="" type="radio"/> 30 (30-120)	Storage period for log records (days). * If the storage period is expired, the logs will be deleted from the oldest.	
315	User Selector Setting	<input type="radio"/> Yes Displays the Selector Setting window in the User Utility. <input checked="" type="radio"/> No Does not display the Selector Setting window in the User Utility.	Specifying whether or not to display the Selector Setting window in the User Utility.	

: Default setting, *: Note

■ IMAGE MODALITY setup items

No.	Name	Selection	Meaning	Remarks
316	Enable High Speed Preview	<input checked="" type="radio"/> Yes Enables the high speed preview. <input type="radio"/> No Disables the high speed preview.	Specifying whether or not to enable the high speed preview.	
317	Enable Trimming size Standard (Auto+Manual)	<input checked="" type="radio"/> 17INX17IN,14INX17IN,14INX14IN,10INX14IN,10INX12IN,8INX10IN	Setting allowable sizes from 17INX17IN, 14INX17IN, 14INX14IN, 10INX14IN, 10INX12IN, and 8INX10IN with the “ , ” delimitation of DICOM notation. * Maximum :17INX17IN,14INX17IN,14INX14IN,10INX14IN,10INX12IN,8INX10IN * Do not delete “17INX17IN”, or an error will occur. * In V7.0, the configuration name is “Enable Trimming Size 1”.	
318	Enable Trimming size Extended (Auto)	<input checked="" type="radio"/> 18CMX43CM	Specifying the trimming size used when determining the trimming size with the exposure field auto recognition. * Maximum : 18CMX43CM, 18CMX24CM, 24CMX30CM, 15CMX30CM,8INX14IN,7INX8IN,7INX10IN,5INX8IN * Do not input delimiter except “,”. Operations cannot be performed properly if the other delimiters exist. * In V7.0, the configuration name is “Enable Trimming Size 2”. Furthermore, both auto and manual trimming sizes are set. * To connect DR-ID 613SE, set to “24CMX30CM”.	
319	PDI Normalized	<input checked="" type="radio"/> Yes Normalizes(Standardized) when performing PDI output. <input type="radio"/> No Does not normalize(Standardized) when performing PDI output.	Specifying whether or not to normalize(Standardized) when performing PDI output. * The setting for DICOM file output is also specified in this item.	
320	Monitor2 Resolution Setting	<input checked="" type="radio"/> 0 : None <input type="radio"/> 1 : 1200 × 1600 <input type="radio"/> 2 : 1536 × 2048	Specifying the monitor2 resolution setting with “Width (pixel) × Height (pixel)” format.	
321	Job Status Display Time	<input checked="" type="radio"/> 300 (1-)	Timing for hiding a reconstructed job from the simple reconstruction cue (unit: sec).	
324	Enable Media initialize button in UserUtility	<input type="radio"/> No Does not display the media initialize button. <input checked="" type="radio"/> Yes Displays the media initialize button.	Specifying whether or not to display the initialization button on the media storage window of the User Utility. * By default, “No” is determined in the DR-ID 800CL-AP Disk.	
325	Enable PowerManagement button in UserUtility	<input type="radio"/> No Does not display the PowerManagement button. <input checked="" type="radio"/> Yes Displays the PowerManagement button.	Specifying whether or not to display the button to open the “Power Option” function in the User Utility. * By default, “No” is determined in the DR-ID 800CL-AP Disk.	


☉ : Default setting, *: Note

■ IMAGE MODALITY setup items

No.	Name	Selection	Meaning	Remarks
326	Study Suspend when using PPS.	<input type="radio"/> No Does not suspend the study forcibly. <input checked="" type="radio"/> Yes Suspends the study forcibly.	Specifying whether or not to forcibly suspend a study when the study ends in the PPS operation (with PPS option and no PPS Cache). * By default, "No" is determined in the DR-ID 800CL-AP Disk.	
327	Motion Shift Flag	<input checked="" type="radio"/> No Does not enable the motion shift. <input type="radio"/> Yes Enable the motion shift.	Specifying whether or not to enable the motion shift.	
328	Marker Search LR	<input checked="" type="radio"/> 60000 (1 - 200000)	Specifying the search range in the lateral direction from the left/right end of the exposure region in the marker detection. (μm)	
329	DR Stitch With Modality Option	<input type="radio"/> Yes Enables the FPD long-view exposure by using the long-view option. <input checked="" type="radio"/> No Disables the FPD long-view exposure by using the long-view option.	Specifying whether or not to enable the FPD long-view exposure by using the long-view option of the DR exposure equipment. * The default setting in V7.0 is "Yes".	
331	RSPC Path	Up to 256 one-byte characters. (<input checked="" type="radio"/> Blank)	Specifying the copy destination of the remote maintenance log (RSPC common folder).	
337	Complete Study when WS menu with one image	<input checked="" type="radio"/> No Notifies the presence of an uncombined image, and does not close the study window. <input type="radio"/> Yes Notifies nothing, and close the study window.	Specifying the study completion method when a long-view menu has read only 1 image.	
340	User Utility Admin Password	Up to 20 one-byte characters. (<input checked="" type="radio"/> VIP)	Setting the password for the admin account of the User Utility. (The user name is fixed as "Vip".) * Be sure to enter a 1-byte character string from the keyboard. * When "Yes" is specified for item no. 37, the admin account becomes invalid.	
342	Image File Type For Tomosynthesis Viewer	<input checked="" type="radio"/> 0 : THM Thumbnail image <input type="radio"/> 1 : STD Standard density image	Specifying the type of the image to be displayed on the Tomosynthesis Viewer.	
343	Enable Shutdown by Run out of the PC battery	<input type="radio"/> No Not used. <input checked="" type="radio"/> Yes Used.	Setting whether or not to use the function for shutting down the system when the remaining battery life of the PC becomes low.	

☉ : Default setting, *: Note

■ IMAGE MODALITY setup items

No.	Name	Selection	Meaning	Remarks
349	Enable Implant Input	<input checked="" type="radio"/> No Disable <input type="radio"/> Yes Enable	Setting whether or not to enable implant information input. * Set to "Yes" when MG Image Storage is to be used.	
350	Display Pixel Size for 2nd monitor	<input checked="" type="radio"/> 264 (1 or larger)	Specifying the display pixel size for the 2nd monitor (mm). * The actual pixel size is "specified value x 0.001".	
351	Enable Trimming size Extended (Manual)	<input checked="" type="radio"/> 18CMX43CM,18CMX24CM,24CMX30CM,15CMX30CM,8INX14IN,7INX8IN,7INX10IN,5INX8IN	Setting allowable trimming sizes for the manual trimming. * Maximum :18CMX43CM, 18CMX24CM, 24CMX30CM, 15CMX30CM,8INX14IN,7INX8IN,7INX10IN,5INX8IN * Do not input delimiter except ",". Operations cannot be performed properly if the other delimiters exist.	
353	Enable density correction to DR stiched Image	<input checked="" type="radio"/> No Does not use the auto density correction function. <input type="radio"/> Yes Uses the auto density correction function.	Specifying whether or not to use the auto density correction function when combining DR long-view images.	
354	Enable S Value Edit to DR pre-stiched Image	<input checked="" type="radio"/> No Does not use the S value edit function. <input type="radio"/> Yes Uses the S value edit function.	Specifying whether or not to use the S value edit function when manually combining DR long-view images.	
355	Enable Legacy Normalized Proc	<input checked="" type="radio"/> No Disable the normalization process. <input type="radio"/> Yes Enable the normalization process.	Specifying whether to enable or disable the normalization process similar to CR Console at the image display on the monitor of DR-ID 800CL and at the print output. * When you set this item to "Yes", leave the "Normalized" setting on the DICOMSetup screen as "Yes". * For the setting combinations of this item and the QA FUNCTION No. 25, see the QA FUNCTION No. 25.  No. 25 "Enable RealTime Adjust S/L"	

☉ : Default setting, *: Note

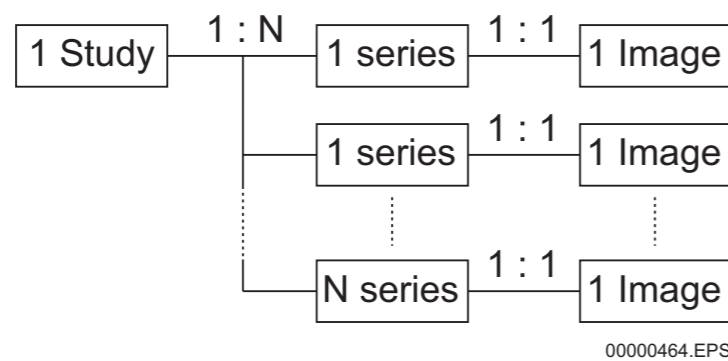
■ Detailed explanations

- “13. DICOM Series Generation Logic”

In relation to the DICOM Series Generation Logic, the following supplements explain the logic of series numbering subsequent to image acquisition from the RU (FPD and FCR Image Reader unit).

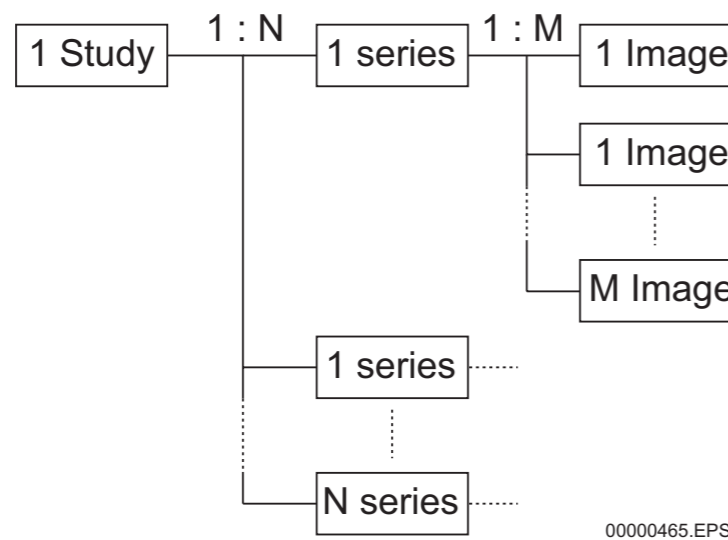
- **0: 1 Study-N series and 1 series-1 Image**

Performs numbering in such a manner that each study has more than one series and that each series has only one image.



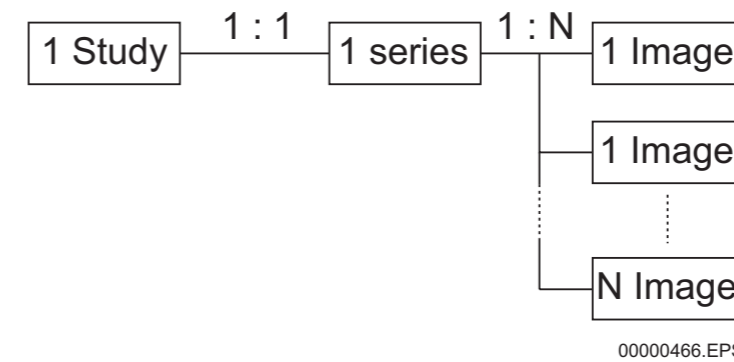
- **1: 1 Study-N series and 1 series-M Image**

Performs numbering in such a manner that each study has more than one series and that each series has two or more images.



- **2: 1 Study-1 series and 1 series-N Image**

Performs numbering in such a manner that each study has only one series and that each series has two or more images.



3.5 Configuration Details — 3. QA FUNCTION

■ QA FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
1	Enable Image Proc. Pram Update Flag	<input type="radio"/> Yes Reflects updated image processing parameters upon flag. <input checked="" type="radio"/> No Does not reflect updated image processing parameters upon flag.	Enabling updated image processing parameter flag.	
7	Alert MSG Display When Output	<input checked="" type="radio"/> Yes Opens. <input type="radio"/> No Does not open.	Specifying whether or not display the confirmation dialog when the reprint button/study distribution button is pressed.	
10	Alert MSG Display When Image Changed	<input checked="" type="radio"/> No Not displayed. <input type="radio"/> Yes Displayed.	Specifying whether or not to display the Save confirmation dialog when performing shuttering processing, menu change or image replacement processing.	
18	Image File Type For Magnify Display	<input checked="" type="radio"/> 0 : Std image file <input type="radio"/> 1 : Hq image file	Specifying whether to use a standard image or a high-quality image for display of a magnified image. * Any image derived from FPD is always displayed in high-quality mode.	
19	PEM Processing in the case of Magnify Display	<input checked="" type="radio"/> No Not performed. <input type="radio"/> Yes Performed.	Setting whether PEM processing is performed for extremely high density images at the time of magnify display. * Only CR images are objects for PEM processing.	
20	ResponseSValue	<input checked="" type="radio"/> 4 (1-10)	Specifying the sensitivity of the mouse when changing the S value.	
21	ResponseLValue	<input checked="" type="radio"/> 4 (1 to 10)	Specifying the sensitivity of the mouse when changing the L value.	
22	Enable Adjust GA/GS by dragging	<input type="radio"/> No Disable <input checked="" type="radio"/> Yes Enable	Setting whether or not to enable the GA/GS adjustment function by mouse dragging. * The default setting in V7.0 is "No".	
23	ResponseGA	<input checked="" type="radio"/> 18 (0 to 99)	Setting the GA sensitivity of mouse dragging for GA/GS adjustment. * A smaller value means a higher sensitivity.	
24	ResponseGS	<input checked="" type="radio"/> 18 (0 to 99)	Setting the GS sensitivity of mouse dragging for GA/GS adjustment. * A smaller value means a higher sensitivity.	

⊙ : Default setting, *: Note

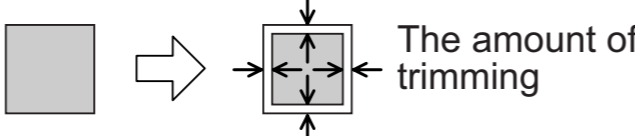
■ QA FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
25	Enable RealTime Adjust S/L	<input type="radio"/> No Do not reflect the S/L value edit to preview in real time. <input checked="" type="radio"/> Yes Reflect the S/L value edit to preview in real time.	Setting whether or not to enable the real-time reflection processing of the S/L value adjustment result. * It is recommended to set this item to "Yes" when the IMAGE MODALITY No. 355 has been set to "No" and set this item to "No" when the IMAGE MODALITY No. 355 has been set to "Yes".	
26	Confirm MSG Display Marker Delete When Image Rotation/ Reverse	<input type="radio"/> No Non-Display <input checked="" type="radio"/> Yes Display	Setting whether or not to display the confirmation screen concerning deletion of markers at the time of image rotation/ inversion. * If "No" is set, markers are not deleted.	
27	Marker Position When Image Rotation/ Reverse	<input checked="" type="radio"/> 0:Follow Image Marker positions follow the movement of the image. <input type="radio"/> 1:Stay Position Marker positions do not follow the movement of the image.	Specification of the marker positions at the time of image rotation/ inversion.	

☉ : Default setting, *: Note

3.6 Configuration Details — 4. PRINTER

■ PRINTER setup items

No.	Name	Selection	Meaning	Remarks
2	Enable Magnify Print	<input type="radio"/> Yes Magnifies. <input checked="" type="radio"/> No Not magnified.	Specifying whether or not to magnify and print a 35×43cm/14"×17" · 35×35cm/14"×14" standard image on a 35×43cm or 35×35cm film in the one-image format. * Basically specify "No". (To specify "Yes", a special authorization is required.)	
10	Black Margin Setup on Film Edge	<input checked="" type="radio"/> 0 : Margin depend on image ID (default: Transparent) Transparent or black depending on the image information. Transparent unless specified by the image information. <input type="radio"/> 1 : Margin depend on image ID (default: Black) Transparent or black depending on the image information. Black unless specified by the image information. <input type="radio"/> 2 : Transparent Margin (Fix) Always transparent. <input type="radio"/> 3 : Black Margin (Fix) Always black.	Specifying the film margin type.	
11	Trimming Range [mm]	0 - 25 (⊙0) 	Specifying the amount of trimming in mm (for other than mammography). * Be sure to enter one-byte characters on the key board.	
12	Trimming Range for Mammography [mm]	0 to 25 (⊙0)	Specifying the amount of trimming in mm (for mammography). * Be sure to enter one-byte characters on the key board.	
13	Print Barcode	<input type="radio"/> Yes : Outputs. <input checked="" type="radio"/> No : Does not output.	Specifying whether or not to output on film the IP no. read by the RU's barcode reader.	
14	Print EDR Mode	<input checked="" type="radio"/> Yes : Outputs. <input type="radio"/> No : Does not output.	Specifying whether or not to output on film the setup data in EDR mode. * "A" for AUTO, "S" for SEMI, "F" for FIX and "S" for SEMI-X will be printed on film.	
15	Print Image Process Condition	<input checked="" type="radio"/> Yes : Outputs. <input type="radio"/> No : Does not output.	Specifying whether or not to print image processing conditions on film.	
16	Print L, S, CS, SS Condition	<input checked="" type="radio"/> Yes : Outputs. <input type="radio"/> No : Does not output.	Specifying whether or not to print L, S, and CS/SS values on film.	
17	Print Shot Time	<input checked="" type="radio"/> Yes : Outputs. <input type="radio"/> No : Does not output.	Specifying whether or not to print the date of exposure on film. * Other than Japanese version, "EXP:" will be printed as the title to the top (on the left side) of the date of exposure.	


⊙ : Default setting, *: Note

■ PRINTER setup items

No.	Name	Selection	Meaning	Remarks
18	Print Set Process	<input checked="" type="radio"/> Yes : Outputs. <input type="radio"/> No : Does not output.	Specifying whether or not to print the routine or group information on film. * Film printout example: RT-01, TM 1 01	
19	Print Engineer ID	<input checked="" type="radio"/> Yes : Outputs. <input type="radio"/> No : Does not output.	Specifying whether or not to print the technician's code information on film.	
20	Print Menu Name	<input checked="" type="radio"/> Yes : Outputs. <input type="radio"/> No : Does not output.	Specifying whether or not to print image processing conditions on film.	
21	Print Compression Rate	<input checked="" type="radio"/> Yes : Outputs. <input type="radio"/> No : Does not output.	Specifying whether or not to print image data compression code information on film. * On the Japanese version, "compression ratio:" will be printed as the title on the left side of the image data compression code information. "CC:" will be printed for other than the Japanese version. * By default, "No" is determined in the DR-ID 800CL-AP Disk.	
22	Print Energy-Subtraction Parameter	<input checked="" type="radio"/> Yes : Outputs. <input type="radio"/> No : Does not output.	Specifying whether or not to output energy-subtraction processing parameter information onto film. * Specify "No" for the DR-ID 800CL.	
23	Print Image Frame (3543 film: 14×17, 14×14,18×43/ 3535 film: 14×14/ 2636 film: 10×14/ 2025 film: 8×10, 18×24 Single Format)	<input type="radio"/> Yes : Printed with image frame. <input checked="" type="radio"/> No : Printed with no image frame.	Specifying whether or not to add image frame when printing a 35×43cm, 35×35cm, 26×36cm or 20×25cm film in the following patterns. <input type="radio"/> 14"×17" • 35×43cm/14"×17" image in the single format • 35×35cm/14"×14" image in the single format • 18×43cm image in the single format <input type="radio"/> 14"×14" • 35×35cm/14"×14" image in the single format <input type="radio"/> 26×36cm • 10"×14" image in the single format <input type="radio"/> 8"×10" • 18×24cm/8"×10" image in the single format * Unless the output format is properly positioned, the image format will not be displayed.	
24	Print Image Frame (3543 film:18×43, LR/2on1 Format)	<input type="radio"/> Yes : Printed with image frame. <input checked="" type="radio"/> No : Printed with no image frame.	Specifying whether or not to add image frame when printing an 18×43cm image on a 35×43cm film in the LR or 2on1 format. * Unless the output format is properly positioned, the image format will not be displayed.	




☉ : Default setting, *: Note

■ PRINTER setup items

No.	Name	Selection	Meaning	Remarks
25	Print Image Frame (3543 film:14×17, 18×43 , 8×10 4on1 Format)	<input type="radio"/> Yes : Printed with image frame. <input checked="" type="radio"/> No : Printed with no image frame.	Specifying whether or not to add image frame when printing a 35×43cm/14"×17", 18×43cm or 18×24cm/8"×10" image on a 35×43cm film in the 4on1 format.	
27	Print Image Frame (2636 film:18×24, 24×30/2025 film:18×24 Single Mammography Format)	<input type="radio"/> No : Printed with no image frame. <input checked="" type="radio"/> Yes : Printed with image frame.	Specifying whether or not to add image frame to 18×24 cm or 24×30cm size images that are printed on 26×36cm size film in the single mammography format or to 18×24cm size images that are printed on 8"×10" size film in the single mammography format.	
28	Print Image Frame (2636 film:18×24 2on1 100% Mammography Format)	<input type="radio"/> No : Printed with no image frame. <input checked="" type="radio"/> Yes : Printed with image frame.	Specifying whether or not to add image frame when printing an 18×24cm size image on 26×36cm size film in mammography 2on1 (100%) format.	
29	No Print Scale (User Definition Rules)	[Dialog setup] (?3??)  The setup procedure is described in “■ Details of [dialog setup]”.	Specifying whether or not to print the reading scale. * This setup is effective only when “Printed with image frame” is selected. * This setup can be selected also for each MPM code. A maximum of 8 MPM codes can be specified (a wild card can be used).	
30	Representation of Age	<input checked="" type="radio"/> Age : Displayed by the age. Other than the Japanese ver. : E.g.) 25Y, 1Y8M, 1Y10D, 13D <input type="radio"/> Date of Birth : Displayed by the date of birth. Other than the Japanese ver. : E.g.) “DATE B” is printed.	Specifying the age representation format. * Use “1. IMAGE MODALITY” - “1. System Common Date Format” for the DATE representation format.	
31	Print Reverse Mark	<input type="radio"/> 0 : None Does not print. <input type="radio"/> 1 : R-reverse Image not rotated : Does not display. Image rotated : “Я” is displayed. <input checked="" type="radio"/> 2 : AP or PA Image not rotated: “AP” is displayed. Image rotated: “PA” is displayed.	Specifying whether or not to output the right-and-left image rotation mark.	

☉ : Default setting, *: Note

■ PRINTER setup items

No.	Name	Selection	Meaning	Remarks
32	Print Film Character Field (14×17-S/4on1, 18×43-LR/2on1/4on1, 8×10-4on1, 14×14-S, 10×14-S, 18×24-LR/2on1, 8×10/18×24-S Format)	<input type="radio"/> 0 : None Does not output film. <input type="radio"/> 1 : Only area 1 Only film annotation character area 1 is displayed. <input type="radio"/> 2 : Only area 2 Only film annotation character area 2 is displayed. <input checked="" type="radio"/> 3 : Both Both areas 1 and 2 are displayed.	Specifying the film annotation character area display format when printing a 35×43cm, 35×35cm, 26×36cm or 20×25cm film in the following patterns. <input type="radio"/> 14"×17" • 35×43cm/14"×17" image in the single or 4on1 format • 18×43cm image in the TWIN, 2on1 or 4on1 format • 18×24cm/8"×10" image in the 4on1 format <input type="radio"/> 14"×14" • 35×35cm/14"×14" image in the single format <input type="radio"/> 26×36cm • 10"×14" image in the single format <input type="radio"/> 8"×10" • 18×24cm/8"×10" image in the single format  See "■ Film annotation character areas 1 and 2".	
33	Print Film Char 2/ Examination number	<input checked="" type="radio"/> 0 : Film char 2 Film annotation character 2 (exposure stand information) is output. <input type="radio"/> 1 : Examination Number The examination number is output.	Specifying whether to output film annotation character 2 (exposure stand information) or the examination number.	
34	Size Selection of 3543, 3535, 2636, 2025 Film Character (Single Format)	<input checked="" type="radio"/> 0 : Standard <input type="radio"/> 1 : Large	Specifying the film annotation character area display format when printing a 35×43cm, 35×35cm, 26×36cm or 20×25cm film in the following patterns. <input type="radio"/> 14"×17" • 35×43cm/14"×17" image in the single format <input type="radio"/> 14"×14" • 35×35cm/14"×14" image in the single format <input type="radio"/> 26×36cm • 10"×14" image in the single format <input type="radio"/> 8"×10" • 18×24cm/8"×10" image in the single format	
35	3543 Film Character Field Position & Rotation (14×17 Image)	[Dialog setup] (©0010)  The setup procedure is described in "■ Details of [dialog setup]".	Specifying the position and rotation of film annotation character areas 1 and 2 when printing a 35×43cm/14"×17" image in the single or 4on1 format on a 35×43cm film. * This setup is effective for all exposure menus. To specify this setup individually for each MPM code, use the No. 39 setup.  See "■ Film annotation character areas 1 and 2".	

© : Default setting, *: Note

■ PRINTER setup items

No.	Name	Selection	Meaning	Remarks
36	3543 Film Character Field Position & Rotation (17×14 Image)	[Dialog setup] (©1131) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation character areas 1 and 2 when printing a 43×35cm/17"×14" image in the single or 4on1 format on a 35×43cm film. * This setup is effective for all exposure menus. To specify this setup individually for each MPM code, use the No. 40 setup. ☞ See “■ Film annotation character areas 1 and 2”.	
37	3543 Film Character Field Position & Rotation (18×43 Image)	[Dialog setup] (©0010) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation character areas 1 and 2 when printing an 18×43cm image in the LR, 2on1 or 4on1 format on a 35×43cm film. * This setup is effective for all exposure menus. To specify this setup individually for each MPM code, use the No. 41 setup. ☞ See “■ Film annotation character areas 1 and 2”.	
38	3543, 2025 Film Character Field Position & Rotation (3543 Film:8×10-4on1, 2025 Film: 8×10-Single)	[Dialog setup] (©0010) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation character areas 1 and 2 when printing an 18×24cm/8"×10" image in the 4on1 format on a 35×43cm film or printing an 18×24cm/8"×10" image in the single format on a 20×25cm film. * This setup is effective for all exposure menus. To specify this setup individually for each MPM code, use the No. 42 setup. ☞ See “■ Film annotation character areas 1 and 2”.	
39	2025 (Landscape) Film Character Field Position & Rotation (8×10, 18×24-Single)	[Dialog setup] (©1131) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation character areas 1 and 2 when printing a 90°-rotated 8"×10"/18×24cm image on an 18×24cm film in the single format. ☞ See “■ Film annotation character areas 1 and 2”.	
40	Film Character Field position & rotation (User Definition Rules 1)	[Dialog setup] (© No setup available.) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation character areas 1 and 2 when printing a 35×43cm/14"×17" image in the single or 4on1 format on a 35×43cm film. * Setup is necessary for each MPM code. (A maximum of 8 MPM codes can be selected. A wild card cannot be used.) * This setup data prevails over that in No. 35. ☞ See “■ Film annotation character areas 1 and 2”.	

© : Default setting, *: Note

■ PRINTER setup items

No.	Name	Selection	Meaning	Remarks
41	Film Character Field position & rotation (User Definition Rules 2)	[Dialog setup] (☉ No setup available.) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation character areas 1 and 2 when printing a 43×35cm/17"×14" image in the single or 4on1 format on a 35×43cm film. * Setup is necessary for each MPM code. (A maximum of 8 MPM codes can be selected. A wild card cannot be used.) * This setup data prevails over that in No. 36. ☞ See “■ Film annotation character areas 1 and 2”.	
42	Film Character Field position & rotation (User Definition Rules 3)	[Dialog setup] (☉ No setup available.) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation character areas 1 and 2 when printing an 18×43cm image in the LR, 2on1 or 4on1 format on a 35×43cm film. * Setup is necessary for each MPM code. (A maximum of 8 MPM codes can be selected. A wild card cannot be used.) * This setup data prevails over that in No. 37. ☞ See “■ Film annotation character areas 1 and 2”.	
43	Film Character Field position & rotation (User Definition Rules 4)	[Dialog setup] (☉ No setup available.) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation character areas 1 and 2 when printing an 18×24cm/8"×10" image in the 4on1 format on a 35×43cm film. * Setup is necessary for each MPM code. (A maximum of 8 MPM codes can be selected. A wild card cannot be used.) * This setup data prevails over that in No. 38. ☞ See “■ Film annotation character areas 1 and 2”.	
44	Film Character Field position & rotation (User Definition Rules5)	[Dialog setup] (☉ No setup available.) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation character areas 1 and 2 when an image overlaps the film annotation character area. ☞ See “■ Film annotation character areas 1 and 2”.	
45	Film Character Field position & rotation (User Definition Rules6)	[Dialog setup] (☉ No setup available.) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation character areas 1 and 2 when an image overlaps the film annotation character area. ☞ See “■ Film annotation character areas 1 and 2”.	
46	Image Area Move to the Top of 3543 Film	☉ Yes : Moves to the top of the film. ○ No : Does not move.	Specifying the image output position when printing a 15×30cm, 35×35cm/14"×14" or 43×43cm/17"×17" image in the single format on a 35×43cm film.	

☉ : Default setting, *: Note

■ PRINTER setup items


No.	Name	Selection	Meaning	Remarks
47	Patient's Name Justify on Film	0 - 64 (⊙20)	Specifying the maximum patient name length in one-byte characters when printing it on film. * If a number larger than 20, the default, is specified, the film annotation character area cannot possibly hold other information items.	
48	Patient's Name Length on Film (Multibyte)	0 - 64 (⊙10)	Specifying the maximum kanji patient name length in two-byte characters when printing it on film. * If a number larger than 10, the default, is specified, the film annotation character area cannot possibly hold other information items.	
49	Patient's Name Length on Film	⊙ 0 : Left : Left-padding. ○ 1 : Right : Right-padding.	Specifying whether to select right- or left-padding for printing patient name on film.	
50	Department Name Justify on Film	0 - 64 (⊙20)	Specifying the maximum exposure menu name length in one-byte characters when printing it on film. * If a number larger than 20, the default, is specified, the film annotation character area cannot possibly hold other information items.	
51	Menu Name Length on Film(Multibyte)	0 - 64 (⊙16)	Specifying the maximum kanji exposure menu name length in two-byte characters when printing it on film. * If a number larger than 16, the default, is specified, the film annotation character area cannot possibly hold other information items.	
52	Menu Name Justify on Film	⊙ 0 : Left : Left-padding. ○ 1 : Right : Right-padding.	Specifying whether to select right- or left-padding for printing exposure menu name on film.	

⊙ : Default setting, *: Note

◆ NOTE ◆

The patient name, exposure menu, requesting department, as well as the patient ID and examination number need setups for both maximum length displayed and right-/left-padding.

These two items should be set up according to "Setup Configuration Item" – "SYSTEM CONFIG" – "5. IDT/CSL FUNCTION" in Nos.15 to 18.

 **"3.7 Configuration Details — 5. CSL/IDT FUNCTION" under "MU: Maintenance Utility"**

■ PRINTER setup items

No.	Name	Selection	Meaning	Remarks
53	Department Name Length on Film	0 to 64 (⊙8)	Specifying the maximum requesting department name length in one-byte characters when printing it on film. * If a number larger than 8, the default, is specified, the film annotation character area cannot possibly hold other information items.	
54	Department Name Length on Film (Multibyte)	0 to 64 (⊙4)	Specifying the maximum requesting department name length in two-byte characters when printing it on film. * If a number larger than 4, the default, is specified, the film annotation character area cannot possibly hold other information items.	
55	Department Name Justify on Film	⊙ 0 : Left : Left-padding. ○ 1 : Right : Right-padding.	Specifying whether to select right- or left-padding for printing the requesting department name on film.	
56	Enable Auto Edit Function of Film String Format File	⊙ Yes : Enables. ○ No : Does not enable.	Specifying whether or not to enable the automatic character format generation function for Nos. 2, 10 to 55 and 57 to 87.	
57	Gap between Image Edge and Film Edge (Mammography Format)[x0.1mm]	0 to 50 (⊙0)	Specifying gap between images. * Be sure to enter one-byte codes from the keyboard.	
58	Font Size of Requesting Service	⊙ 0 : Standard : Standard. ○ 1 : Large : Magnified.	Requesting department name font size.	
59	Format Type of Operator's Name	⊙ 0 : None : Do not display the radiographer name. ○ 1 : Ank Operator Name : Display the radiographer name with one-byte characters. ○ 2 : Kanji Operator Name : Display the radiographer name in kanji.	Specifying whether and how the radiographer name should be displayed.	
60	Display Image Feature	○ Yes : Output to film. ⊙ No : Do not output to film.	Specifying whether or not to output the Imager Pixel Spacing information (distance between pixel centers) to film. • The film output at 10 pixels/mm is 0.10 (mm). • The film output at 20 pixels/mm is 0.05 (mm). * When "Yes" is specified for item no. 92, "#" will be output immediately after "Imager Pixel Spacing". * By default, "Yes" is determined for DR-ID 800CL to be used other than Japan.	

⊙ : Default setting, *: Note

■ PRINTER setup items

No.	Name	Selection	Meaning	Remarks
61	2636 Film Character Field Position & Rotation (Left Image of 2 on 1 Mammography Format)	[Dialog setup] (© 0020) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the left-hand image film annotation character field position and rotation for outputting an image produced from the mammography menu (18×24cm image) to 26×36cm film in 2on1 mammography format (100% magnification).	
62	2636 Film Character Field Position & Rotation (Right Image of 2 on 1 Mammography Format)	[Dialog setup] (© 1030) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the right-hand image film annotation character field position and rotation for outputting an image produced from the mammography menu (18×24cm image) to 26×36cm film in 2on1 mammography format (100% magnification).	
63	3535 Film Character Field Position & Rotation (Single Format)	[Dialog setup] (© 0010) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation character fields 1 and 2 for generating a 35×35 cm/14"×14" print onto 14"×14" film in the Single format. * Valid for all exposure menu items.	
64	Enable Reduce To 8×10 Film	<input type="radio"/> Yes : Outputs reduced-size images to 8"×10" film. <input type="radio"/> No : Generate outputs at a magnification of 100%.	Specifying whether or not to reduce a Single-format output image to print it on an 8"×10" film. ☞ “■ Output film determination sequence” * This item can also be set up using the User Utility function. The item set up the last will be valid.	
65	2636 Film Character Field Position & Rotation (10×14 Image)	[Dialog setup] (© 0010) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation characters when printing a 10"×14" life-size image on 26×36cm film in the single format (default).	
66	2636 Film Character Field Position & Rotation (14×10 Image)	[Dialog setup] (© 1131) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation characters when printing a 14"×10" (horizontal 26×36cm) life-size image on 26×36cm film in the single format (default).	
67	2636 Film Character Field Position & Rotation (2636 film: 18×24-LR)	[Dialog setup] (© 0010) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation characters when printing an 18×24cm life-size image on 26×36cm film in the LR format (default).	

© : Default setting, *: Note

■ PRINTER setup items

No.	Name	Selection	Meaning	Remarks
68	2636 Film Character Field Position & Rotation (2636 film: 18×24-2on1)	[Dialog setup] (☉ 0010) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation characters when printing an 18×24cm life-size image on 26×36cm film in the 2on1 format (default).	
69	Print Image Frame (2636 film: 18×24-LR, 2on1 Format)	<input type="radio"/> Yes : Printed with image frame. <input checked="" type="radio"/> No : Printed with no image frame.	Specifying whether or not to add image frame when printing an 18×24cm life-size image on 26×36cm film in the LR or 2on1 format.	
70	Reduction Rate (2636 film: 18×24-LR, 2on1 Format)	<input checked="" type="radio"/> 0 : 86% <input type="radio"/> 1 : 100%	Specifying a print reduction ratio when printing an 18×24cm image on 26×36cm film in the LR or 2on1 format.	
71	Print Priority in Dicom Print	<input checked="" type="radio"/> 0 : LOW <input type="radio"/> 1 : MED <input type="radio"/> 1 : HIGH	Specifying priority to printout of images to be transferred to the DICOM printer.	
72	2530 Film Character Field Position Rotation (10×12, 2430-Single)	[Dialog setup] (☉ 0010) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation character areas when printing a 10"×12" or 24×30cm image on 10"×12" film in the single format (default).	
73	2530(Landscape) Film Character Field Position Rotation (10×12, 2430-Single)	[Dialog setup] (☉ 1131) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation character areas when printing a 10"×12" or 24×30cm image on 10"×12" film in the single format (90° rotation available) (default).	
74	Film String Format	<input checked="" type="radio"/> 0 : GeneralFormatOnly General-format film is used. <input type="radio"/> 1 : MammographyFormat Special mammography-format film is used.	Specifying whether to use general-format film annotation characters for all images (as has been previously) or special film annotation characters defined exclusively for mammography images.	
75	Lifesize Film Character Field Position & Rotation	[Dialog setup] (☉ 0010) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of film annotation character areas when generating a life-size printout of a long-view image (default).	
76	Overlap width(mm) of the Lifesize Film	5 - 30 (☉15)	Specifying a width of films that overlap with each other when generating a life-size printout of a long-view image (mm).	
78	Film Annotation Position (12on1 Film Format)	<input checked="" type="radio"/> 0 : top At the top of the film. <input type="radio"/> 1 : MammographyFormat At the bottom of the film.	Specifying the position of film annotation characters (film annotation character area for each film) when printing images in the 12on1 format.	
79	Print Image Frame (12on1 Film Format)	<input type="radio"/> No Printed with no image frame. <input checked="" type="radio"/> Yes Printed with image frame.	Specifying whether or not to add image frame when printing images in the 12on1 format.	


☉ : Default setting, *: Note

■ PRINTER setup items

No.	Name	Selection	Meaning	Remarks
80	Film Character Field Position & Rotation(12on1 Film Format)	[Dialog setup] (☉ 0000) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position of image annotation characters (film annotation character area for each image) when printing images in the 12on1 format. * This dialog enables only determination of the display position (a: Area0 position) of film annotation character area 1. Do not determine other items with this dialog.	
81	Reduction Rate (8×10, 2on1 Film Format)	☉ 0 : 86% ○ 1 : 100%	Specifying whether to output 100%-size images or 86%-reduced images as has been so previously, when printing “8×10” images in the 2on1 format. * 100%-size images are printed on a 35×43cm film.	
82	Enable Image Frame (8×10,100%-Size Image 2on1 Film Format)	○ Yes Printed with image frame. ☉ No Printed without image frame.	Specifying whether or not to add image frame when printing 100%-size 8"×10" images in the 2on1 format.	
83	Film Character Field Position & Rotation (8×10,100%- Size Image 2on1 Film Format)	[Dialog setup] (☉ 0010) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of the film annotation character area when printing 100%-size 8"×10" images in the 2on1 format.	
84	Film Character Field Position & Rotation (8×14,100%- Size Image 2on1 Film Format)	[Dialog setup] (☉ 0010) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of the film annotation character area when printing 100%-size 8"×14" (one half of 14"×17" landscape) images in the 2on1 format.	
85	Film Character Field Position & Rotation (7×8,100%-Size Image 4on1 Film Format)	[Dialog setup] (☉ 0010) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of the film annotation character area when printing 100%-size 7"×8" (one fourth of 14"×17") images in the 4on1 format.	
86	Film Character Field Position & Rotation (7×10,100%-Size Image 2on1 Film Format)	[Dialog setup] (☉ 0010) ☞ The setup procedure is described in “■ Details of [dialog setup]”.	Specifying the position and rotation of the film annotation character area when printing 100%-size 7"×10" (one half of 26×36cm landscape) images in the 2on1 format.	
87	Film Character Mode Setting On XCON Material Info.	○ 0 : DICOM Conforms to the DICOM definitions (as has been so previously). ☉ 1 : XCON-IF Conforms to the XCON I/F definitions.	Specifying film annotation characters of mammography XCON material information.	

☉ : Default setting, *: Note

■ PRINTER setup items

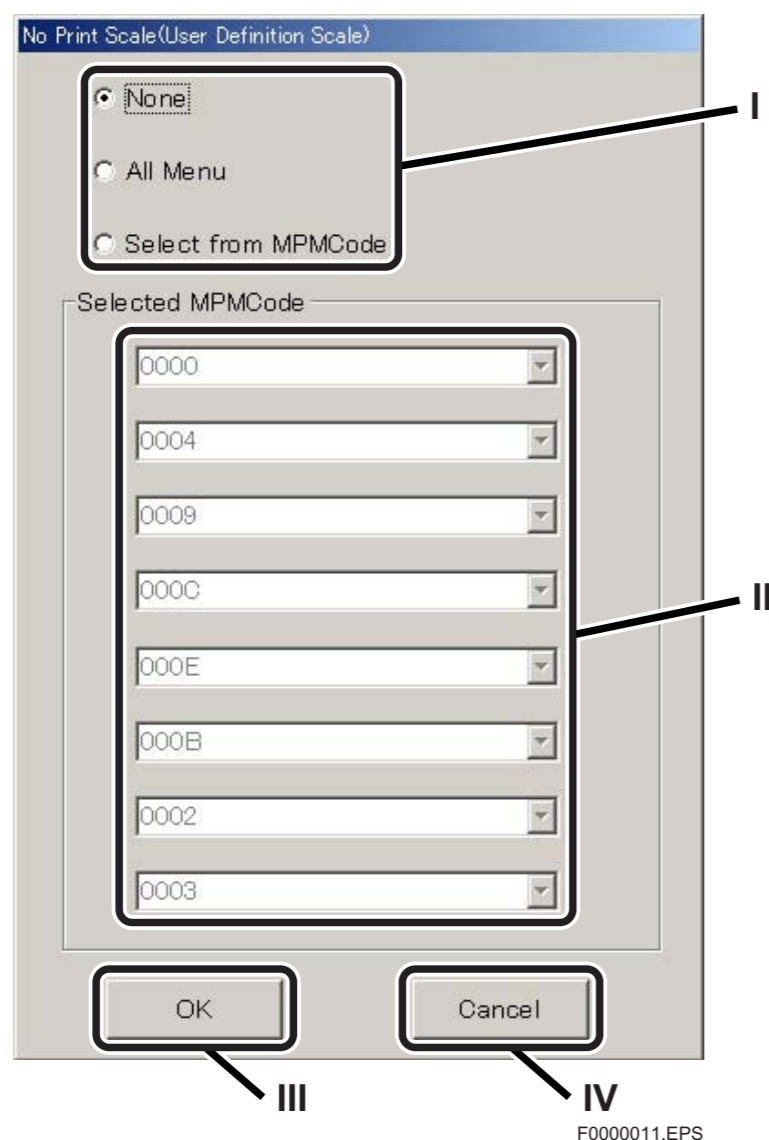
No.	Name	Selection	Meaning	Remarks
90	Setting of minimum scale to be cut off the ends of Lifi-size Output(cm).	0 - 10 (⊙0)	Specifying a length of the trailing edge to be cut off when outputting a stitched image in its life size [cm].	
91	Type of processing multi-frame format.	<input type="radio"/> 0 : ExistingFormat <input checked="" type="radio"/> 1 : NewFormat	Specifying a format type to be used in the multi-frame format. * To specify the same format at a site where a CR Console already exists, specify "0: ExistingFormat".	
92	Enable Distance Correction	<input type="radio"/> Yes Distance correction is performed. <input checked="" type="radio"/> No No distance correction is performed.	Specifying whether or not to perform distance correction processing when outputting film prints. * Distance correction processing is enabled only at digital exposure using an FPD. * By default, "Yes" is determined in the DR-ID 800CL-AP Disk.	
93	Film Character Field Position & Rotation (5x8,100%-Size Image 2on1 Film Format)	[Dialog setup] (⊙ 0010)  The setup procedure is described in "■ Details of [dialog setup]" .	Specifying the position and rotation of the film annotation character area when printing 100%-size 5"x8" (one half of 8"x10") images in the 2on1 format.	

⊙ : Default setting, *: Note

■ Details of [dialog setup]

● Setup of “29. No Print Scale (User Definition Rules)”

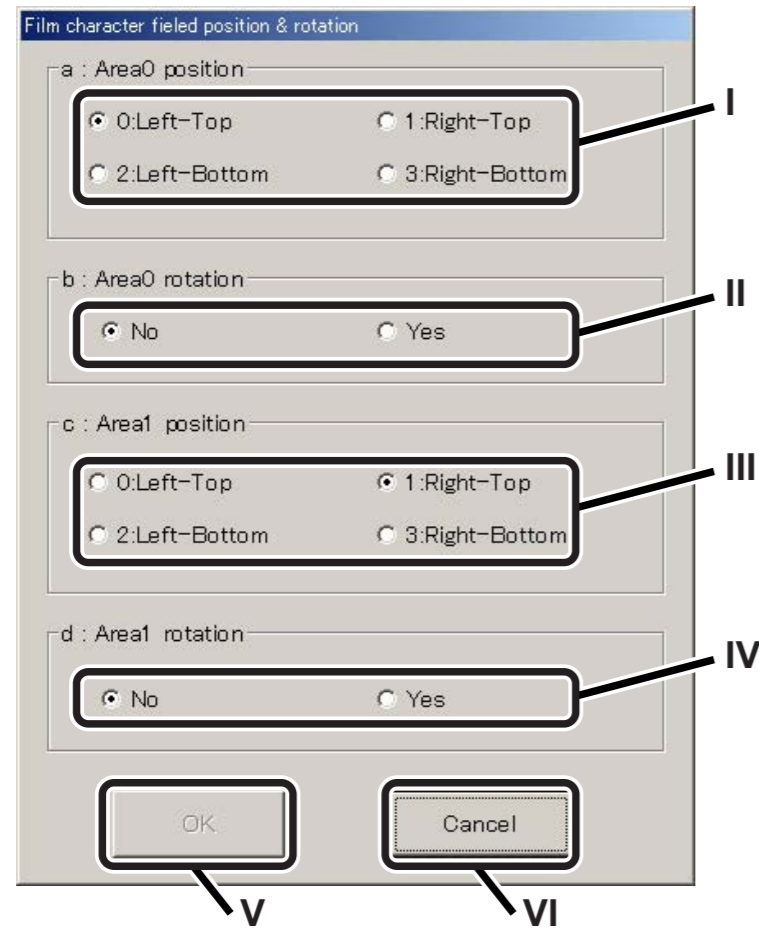
Double-clicking the No. 29 “Value” column will open the following dialog.



- I. To add reading scale, select “None” (default), and “All Menu” when not adding it to all images. Select “Select from MPMCode” when not adding reading scale to images of certain MPM codes.
- II. Enter the image’s MPM code on the keyboard or select it from the pull-down menu.
Be sure to set up if “Select from MPMcode” is selected in step I. above. Specifying using a wild card is also possible, such as “?0??” (“?” is an arbitrary one-digit alphanumeric from 0 to F.)
- III. Click if data set up in I. and II. above are correct.
The system returns to the previous window and any of the following will be displayed in the “Value column.”
 - None : To add reading scale.
 - All Menu : Not to add reading scale to all images.
 - Four-digit number : MPM code of an image not added with reading scale.
- IV. Click to cancel the setup data to be saved.


- Setup of “35 to 39, 61 to 63, 65 to 68, 72, 73, 75, 80, 83 to 86. XXXX Film Character Field Position & Rotation (XX x XX Image)”

Double-clicking the “Value” column of Nos. 35 to 39, 61 to 63, 65 to 68, 72, 73, 75, 80, 83 to 86 will open the following dialog.



F000012.EPS

- I. Specifies the film annotation character area 1 display position.
- II. Specifies the 90° image rotation (counterclockwise) of film annotation character area 1.
- III. Specifies the film annotation character area 2 display position.
- IV. Specifies the 90° image rotation (counterclockwise) of film annotation character area 2.

 **For details of the film annotation character area, see “■ Film annotation character areas 1 and 2”.**

- V. Click if data set up in I. to IV. above are correct. The system returns to the previous window and a four-digit number will be displayed in the “Value” column. The meaning of such four-digit number is as follows.

0031

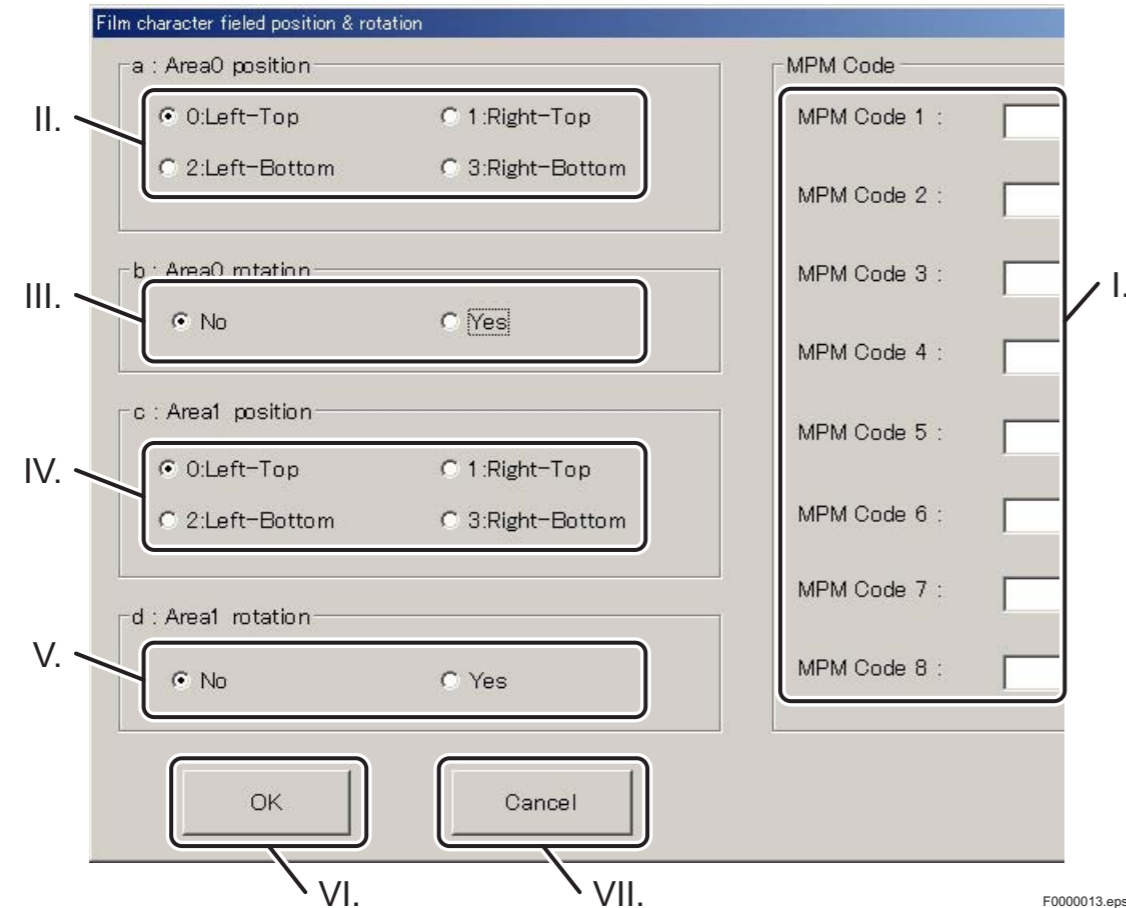
- 90° image rotation of film annotation character area 2 (0: Not rotated, 1: Rotated)
- Position of film annotation character area 2 (0: Upper left, 1: Upper right, 2: Lower left, 3: Lower right)
- 90° image rotation of film annotation character area 1 (0: Not rotated, 1: Rotated)
- Position of film annotation character area 1 (0: Upper left, 1: Upper right, 2: Lower left, 3: Lower right)

F000014.EPS

- VI. Click to cancel the setup data to be saved.

● “40 to 45. Film Character Field Position & Rotation (User Definition Rules)”

Double-clicking the “Value” column of Nos. 40 to 45 will open the following dialog.



I. Enter on the keyboard the MPM code of the image the film annotation character area of which is changed or select it from the pull-down menu. Specifying using a wild card is not allowed.

II. Specify the film annotation character area 1 display position.

III. Specify the 90° image rotation (counterclockwise) of film annotation character area 1.

IV. Specify the film annotation character area 2 display position.

V. Specify the 90° image rotation (counterclockwise) of film annotation character area 2.

For details of the film annotation character area, see “■ Film annotation character areas 1 and 2”.

VI. Click if data set up in I. to V. above is correct. The system returns to the previous window and a character string appears in the “Value” column to indicate the content of the setup data.

Definition of image position or rotation MPM code
(a maximum of 8 codes can be displayed.)

0031 : 0000 0004 0009 000C 000E 000B 0002 0003

- 90° image rotation of film annotation character area 2 (0: Not rotated, 1: Rotated)
- Position of film annotation character area 2 (0: Upper left, 1: Upper right, 2: Lower left, 3: Lower right)
- 90° image rotation of film annotation character area 1 (0: Not rotated, 1: Rotated)
- Position of film annotation character area 1 (0: Upper left, 1: Upper right, 2: Lower left, 3: Lower right)

F000015.EPS

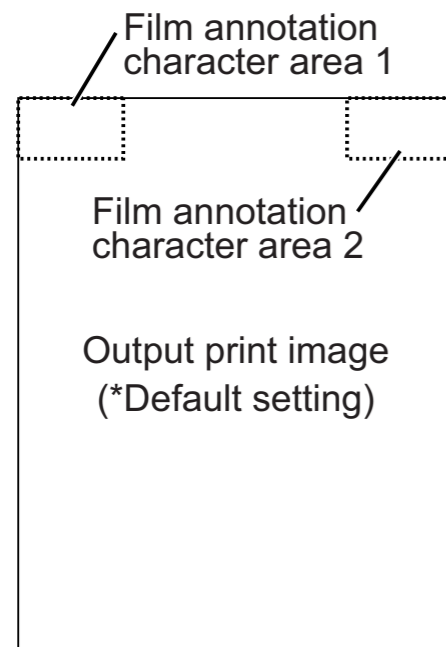
VII. Click to cancel the setup data to be saved.

■ Film annotation character areas 1 and 2

Following is the description of film annotation character areas 1 and 2 that can be specified in Nos. 32, 35 to 45, 63, 65 to 68, 72, 73, 75, 80, 83 to 86 whether to display it and the positional and rotational movement.

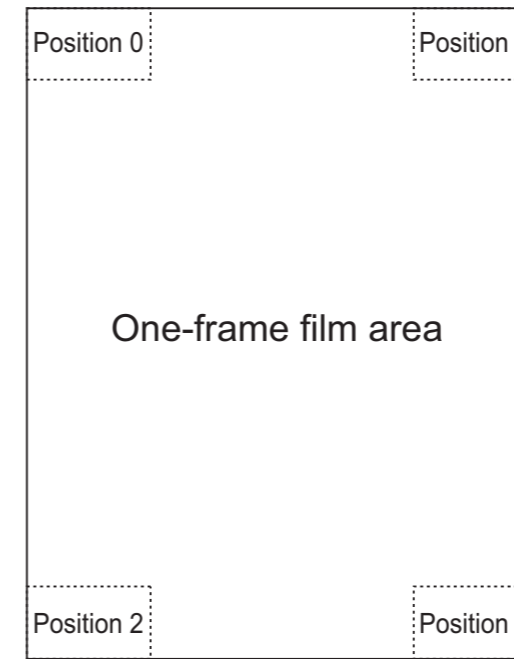
If an image is printed on a 14"×17" film as set by the default, the film annotation characters are displayed at both the upper right and left of the image. Areas where those characters are displayed are the film annotation character areas.

The upper-left area is area "1" and that at the upper right is area "2".

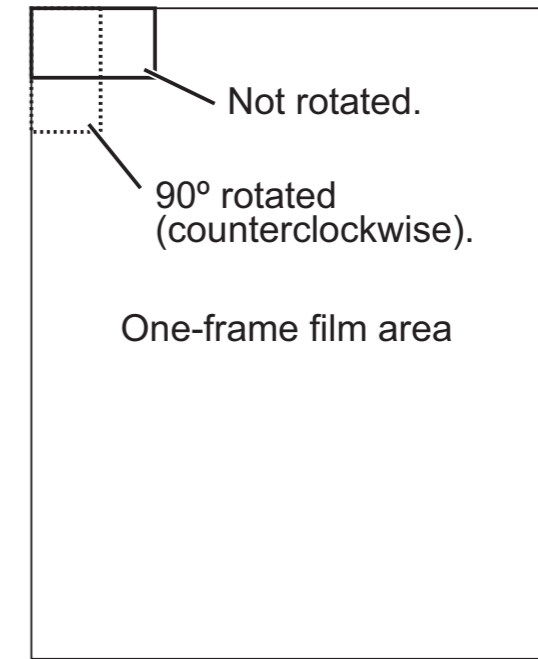


F000010.EPS

- Positional and rotational movement of the film annotation character areas
Specify the positional and rotational movement of the film annotation character areas in "35 to 45, 63, 65 to 68, 72, 73, 75, 80, 83 to 86. XXXX Film Character Field Position & Rotation (XXXX)".



Definition of positional movement



Definition of rotational movement

F000009.EPS

- Whether to display the film annotation character areas
Select whether or not to display film annotation character areas 1 and/or 2 using the function in "32. Print 3543, 2025 Film Character Field (14×17- Single/4on1, 18×43-LR/2on1/4on1, 8×10-4on1)".
 - 0: None
Neither film annotation character area 1 nor 2 are printed on film.
 - 1: Only area 1
Only film annotation character area 1 is printed on film.
 - 2: Only area 2
Only film annotation character area 2 is printed on film.
 - 3: Both (default)
Both of the film annotation character areas are printed on film.

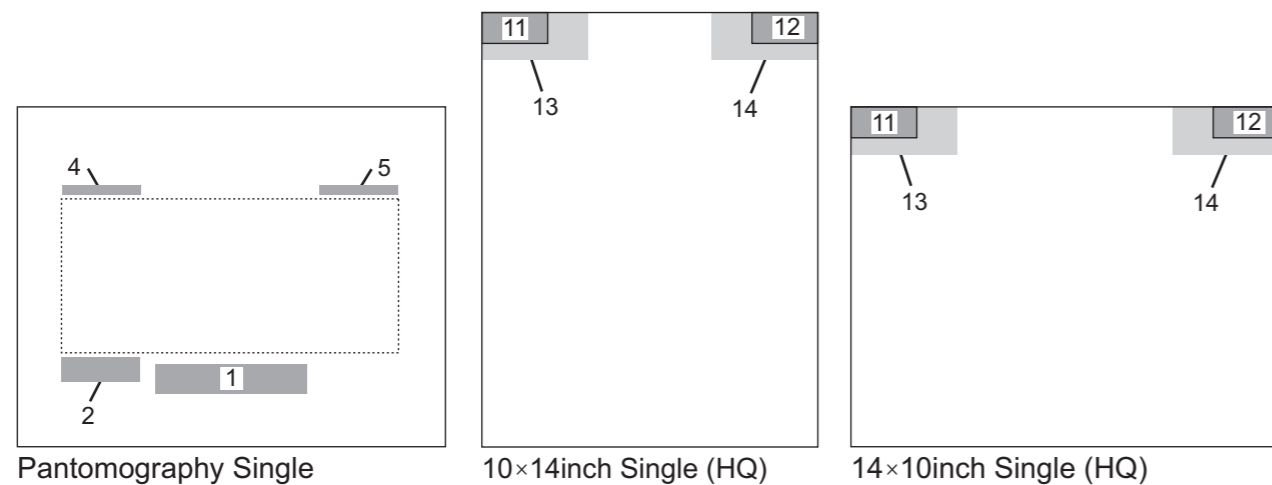
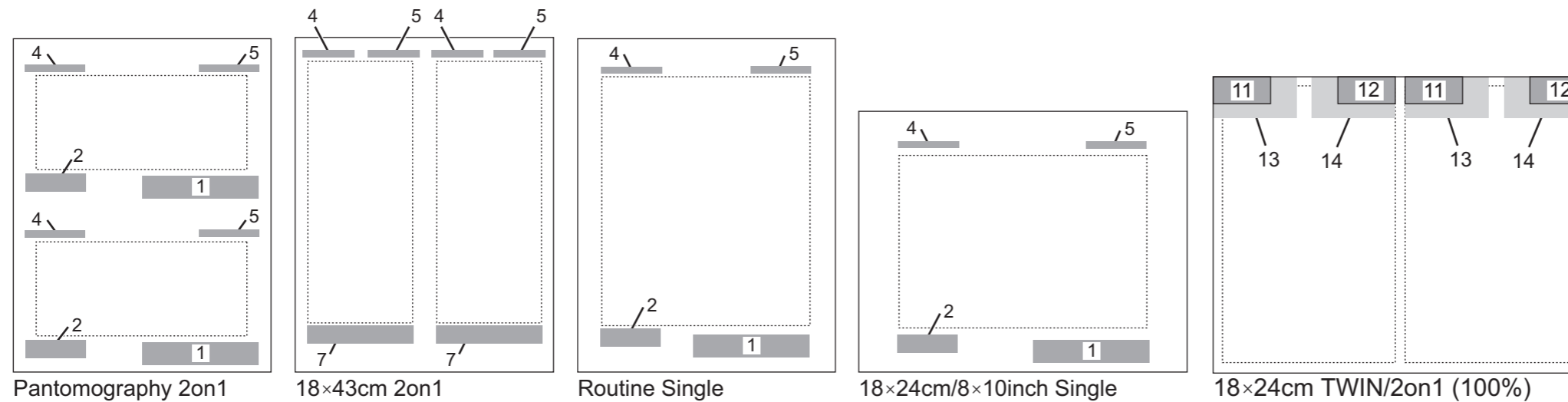
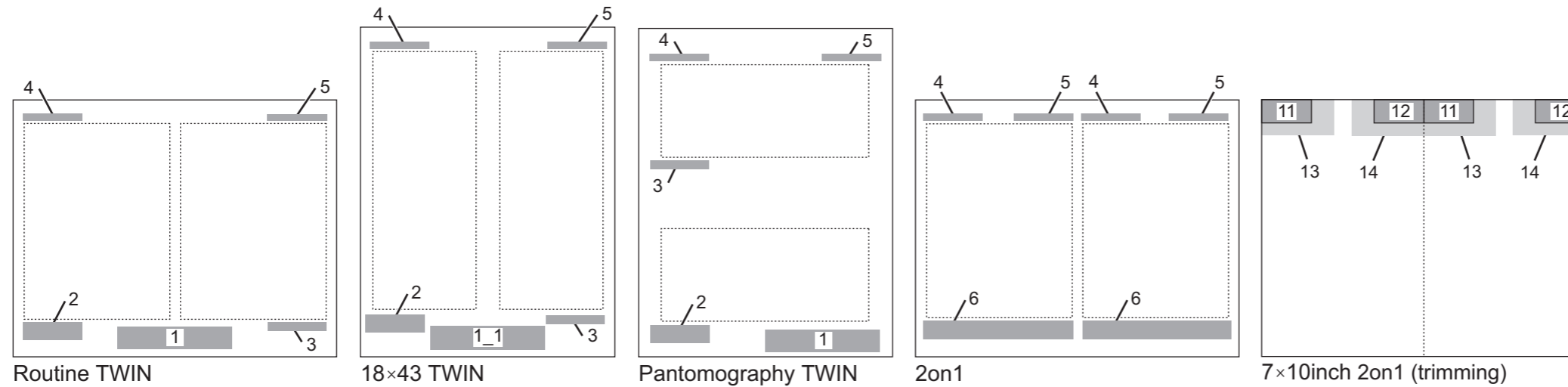
■ Output film determination sequence

When “Yes” is chosen for “64 Enable Reduce to 8×10 Film”, the output film size is determined in the following sequence:

Film combination		Determination sequence
14"×17"	8"×10"	<ol style="list-style-type: none"> 1. When the 35×43 (cm) or 35×35 (cm), high pixel density, Single format is used, the image will be printed onto 14"×17" film at a magnification of 100%. 2. When a Single format other than indicated above is used, the image will be printed onto 8"×10" film. 3. 4on1 and 3on1 format images are printed on 14"×17" films. 4. In situations other than above, images are printed on 14"×17" films in the 26×36cm film output format.
26×36cm	8"×10"	<ol style="list-style-type: none"> 1. When the Single format is used, the image will be printed onto 8"×10" film. 2. In situations other than above, the image will be printed onto 26×36cm film.
8"×10"	14"×14"	<ol style="list-style-type: none"> 1. When 35×35 (cm), high pixel density, Single format is used, the image will be printed onto 14"×14" film at a magnification of 100%. 2. When a Single format other than indicated above is used, the image will be printed onto 8"×10" film. 3. In situations other than above, there is no applicable film.
8"×10"	—	<ol style="list-style-type: none"> 1. When the Single format is used, the image will be printed onto 8"×10" film. 2. In situations other than above, there is no applicable film.

■ **26×36cm, 35×43cm/14"×17", 10"×12", 8"×10" and 35×35cm/14"×14" film printout patterns [Reference]**

● 26×36cm film

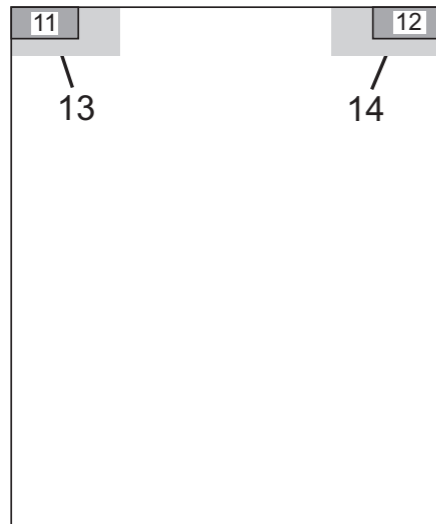


- Legends (items are according to the FMT Nos.) -

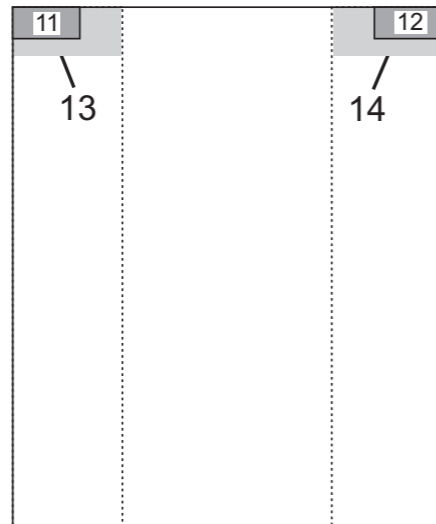
- 1, 1_1 : Patient information area
- 2 : Image processing parameter area
- 3 : Image processing parameter area
- 4 : Hospital name area
- 5 : Area for barcode, MPM code, etc.
- 6 : Patient/image processing parameter area
- 7 : Patient/image processing parameter area
- 11 : Reduced patient information area
- 12 : Reduced image processing parameter area
- 13 : Patient information area
- 14 : Image processing parameter area

F000018.EPS

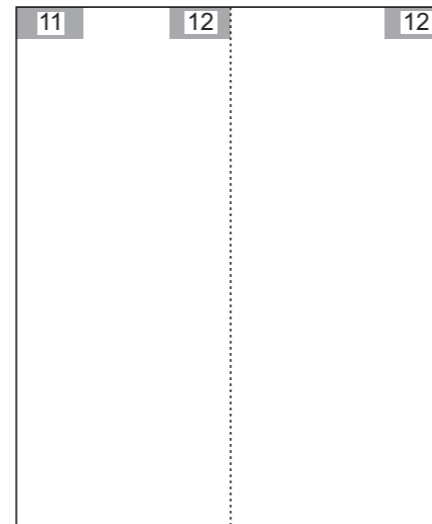
● 35×43cm film



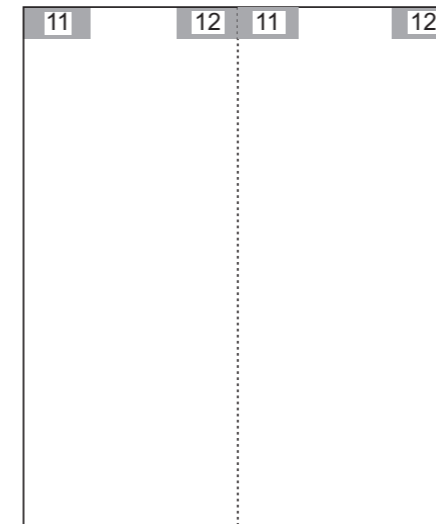
35×43cm/14×17inch Single (HQ)



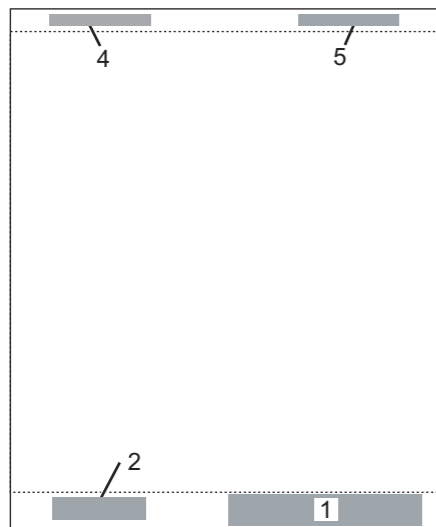
18×43cm Single (HQ)



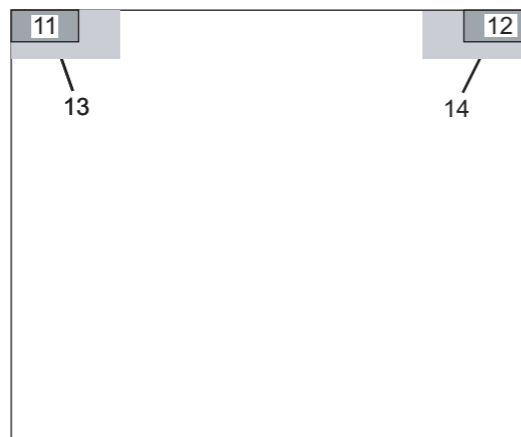
18×43cm TWIN



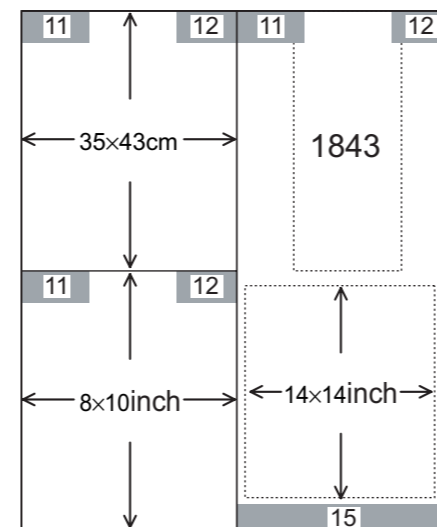
18×43cm 2on1



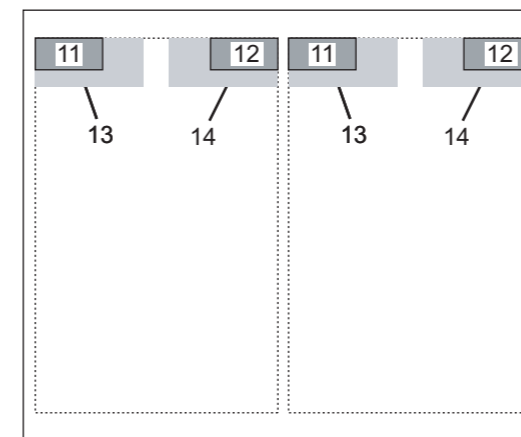
35×35cm/14×14inch Single (HQ)



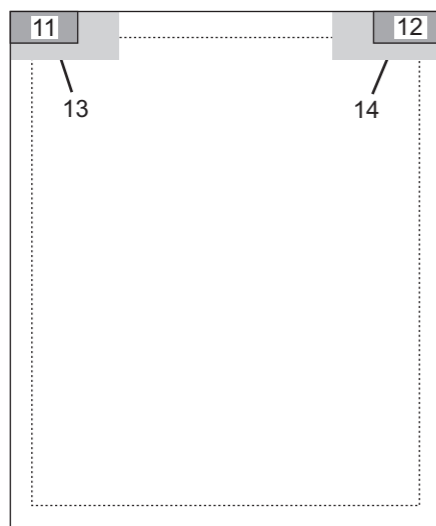
43×35cm/17×14inch Single (HQ)



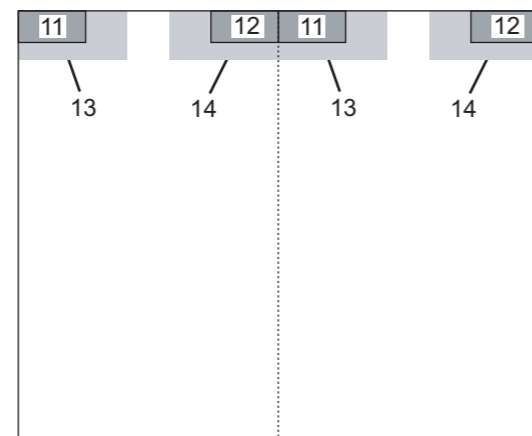
Different images 4on1 (example)



8×10inch 2on1(100%)



Standard (trimming)



8×14inch 2on1 (trimming)



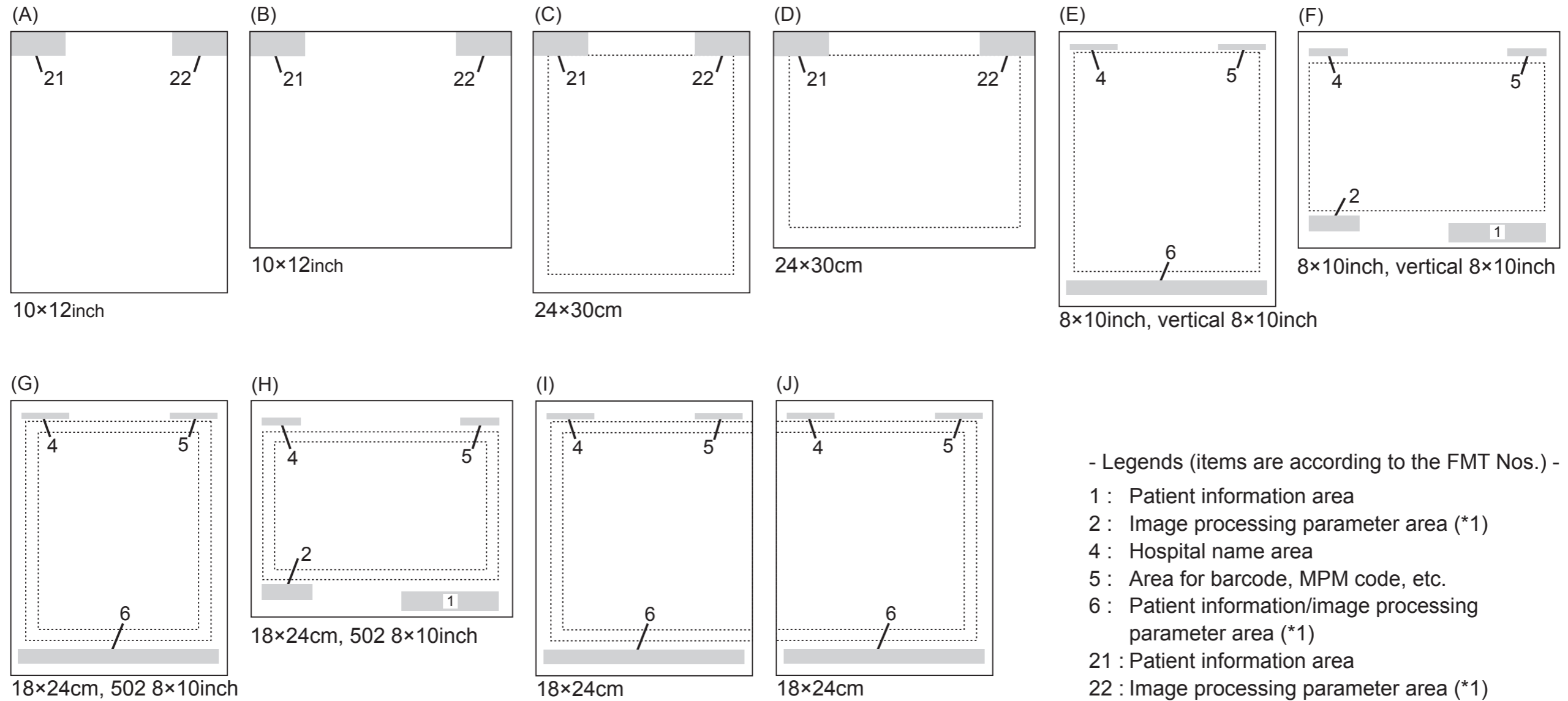
7×8inch 4on1 (trimming)

- Legends (items are according to the FMT Nos.) -

- 1 : Patient information area
- 2 : Image processing parameter area
- 3 : Image processing parameter area
- 4 : Hospital name area
- 5 : Area for barcode, MPM code, etc.
- 11 : Reduced patient information area
- 12 : Reduced image processing parameter area
- 13 : Patient information area
- 14 : Image processing parameter area
- 15 : Patient information/image processing parameter area

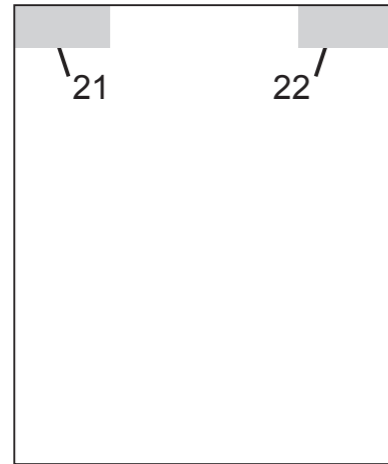
F000019.EPS

● 10"×12" film

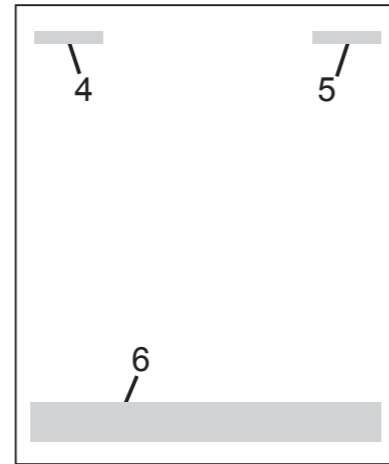


D80C030403002.ai

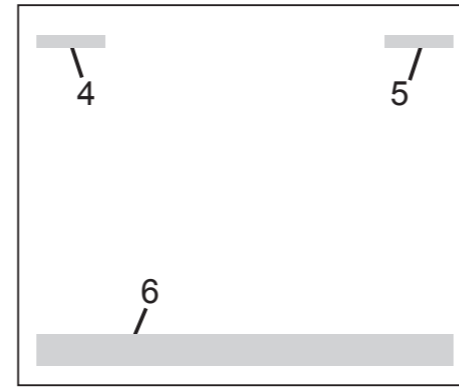
● 20×25cm film



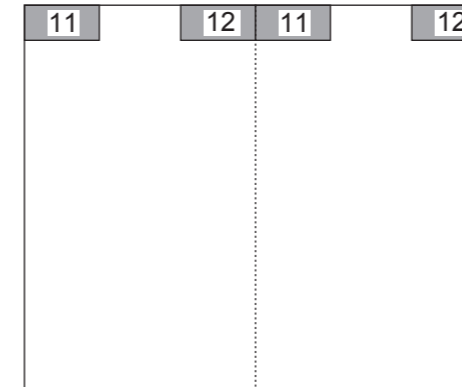
18×24cm/8×10inch Single,
vertical 18×24cm/8×10inch



24×30cm/10×12inch,
35×35cm, 35×43cm,
43×43cm, 18×43cm,
10×14inch, Single



Pantomography Single

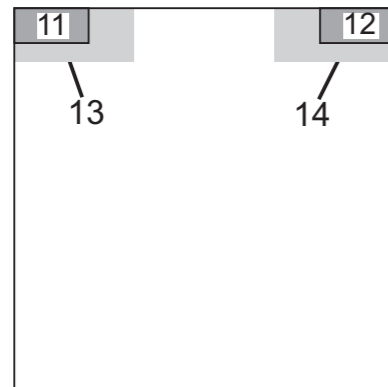


5x8inch 2on1 (trimming)

- Legends (items are according to the FMT Nos.) -
- 4 : Hospital name area
 - 5 : Area for barcode, MPM code, etc.
 - 6 : Patient information/image processing parameter area
 - 11 : Reduced patient information area
 - 12 : Reduced image processing parameter area
 - 13 : Patient information area
 - 14 : Image processing parameter area
 - 21 : Patient information area
 - 22 : Image processing parameter area

DXL04030002.ai

● 35×35cm film



35×35cm/14×14inch Single

- Legends (items are according to the FMT Nos.) -

- 11 : Reduced patient information area
- 12 : Reduced image processing parameter area
- 13 : Patient information area
- 14 : Image processing parameter area

F0000022.EPS

3.7 Configuration Details — 5. CSL/IDT FUNCTION

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
1	AutoMenuSelect	<input type="radio"/> No From exposure list menus of unread images, manually selects exposure menus of the image to be read the next. <input checked="" type="radio"/> Yes When an image is received from the FPD, automatically moves onto the next exposure menu item (at the bottom on the screen).	Specifying whether or not to automatically move onto the next exposure menu item (at the bottom on the screen) when multiple exposure menus are registered.	
3	Enable Distribution Code	<input type="radio"/> No The distribution code is not used. <input checked="" type="radio"/> Yes The distribution code is used.	Specifying if the distribution code is used when changing exposure menu parameters. * By default, "No" is determined in the DR-ID 800CL-AP Disk.	
4	Enable Film String	<input checked="" type="radio"/> No The film mark is not used. <input type="radio"/> Yes The film mark is used.	Specifying if the film annotation characters are used when changing exposure menu parameters.	
5	Enable Function Setup	<input type="radio"/> No Function setup is not used. <input checked="" type="radio"/> Yes Function setup is used.	Setting whether or not to use the function setup when changing the exposure menu parameters.	
6	Enable Pantomography Processing	<input checked="" type="radio"/> No The pantomography is not used. <input type="radio"/> Yes Image isolation processing is performed if the target image is a pantomography menu (MPMcode20×4) in 10"×12" size.	Specifying whether or not to use the pantomography (to isolate a 15×30cm image from a 10"×12" size image).	

⊙ : Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
12	EDR Mode Setup	<input checked="" type="radio"/> 0 : AUTO/SEMI/FIX <input type="radio"/> 1 : AUTO/SEMI/FIX/SEMI-X <input type="radio"/> 2 : AUTO/SEMI/FIX/MANUAL <input type="radio"/> 3 : AUTO/SEMI/FIX/SEMI-X/MANUAL Selects a combination of AUTO, SEMI, FIX, SEMI-X or MANUAL from 0 to 3. AUTO: Automatically calculates both the S and L values based on the image. SEMI : The L value is fixed. Automatically calculates the S value as per determined process. FIX : The L value is fixed. The S value is the default or manually entered. SEMI-X : The L value is fixed. Automatically calculates the S value as per determined process. Manually enters area for calculation and output density. MANUAL : For manual entry of both the S and L values.	Specifying the range available for selection of EDR mode when changing exposure menu parameters. * By default, "3: AUTO/SEMI/FIX/SEMI-X/MANUAL" is determined in the DR-ID 800CL-AP Disk.	
14	Function Setup	RT, ES, WS, PS, TM (⊙ RT) RT : Routine processing (routine exposure) ES : Energy subtraction processing WS : Whole spine processing PS : IVP processing TM : Tomographic processing TO : Tomosynthesis processing	Specifying functions that can be selected when changing exposure menu parameters. * Enumerate functions demarcating them using one-byte * Be sure to enter one-byte characters on the keyboard. * By default, "RT, TM, WS" is determined in the DR-ID 800CL-AP Disk.	
15	Examination No. Length	1 to 16 (⊙ 10)	Setting the Accession No. length (1 to 16). * Set 6 or larger when 1 is set for "29. Study Number Issuance Logic Setup" and 14 or larger when 2 is set * Be sure to enter one-byte characters on the keyboard.	
16	Examination No. Padding Method	<input checked="" type="radio"/> 0 : Pad with space to the head (1234567) Right-padded with spaces to the head. <input type="radio"/> 1 : Pad with zero to the head (0001234567) Right-padded with zeros to the head. <input type="radio"/> 2 : Pad with space to the tail (1234567) Left-padded with spaces to the tail. <input type="radio"/> 3 : Pad with zero to the tail (1234567000) Left-padded with zeros to the tail.	Specifying the Accession No. padding method.	

⊙ : Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
17	Patient ID Length	1 to 64 (⊙ 10)	Setting the patient ID length. * Be sure to enter one-byte characters on the keyboard. * To specify the number of characters that exceeds 11, set "Yes" for No. 22 Long Type Character Format of IMAGE MODALITY.	
18	Patient ID Padding Method	<input checked="" type="radio"/> 0 : Pad with space to the head (1234567) Right-padded with spaces to the head. <input type="radio"/> 1 : Pad with zero to the head (0001234567) Right-padded with zeros to the head. <input type="radio"/> 2 : Pad with space to the tail (1234567) Left-padded with spaces to the tail. <input type="radio"/> 3 : Pad with zero to the tail (1234567000) Left-padded with zeros to the tail.	Specifying the patient ID padding method. * The setup value becomes invalid if the mass screening order issuance function is activated.	
21	Exposure List Erasure Setup	<input checked="" type="radio"/> No Does not erase. <input type="radio"/> Yes Erases.	Specifying whether or not to erase the preset exposure list when the CSL/IDT FUNCTION No. 105 has been set to "Yes", when starting the next study by using BCR input on the study screen or when entering new patient information on the study screen and the study reservation screen. * This item can also be set up using the User Utility function. The item set up the last will be valid. * By default, "No" is determined in the DR-ID 800CL-AP Disk. * The default setting in V7.0 is "Yes". * The setup value becomes invalid if the mass screening order issuance function is activated.	
22	Requesting Dept. Name Field Setup	<input checked="" type="radio"/> 0 : Code Displays the requesting department code. <input type="radio"/> 1 : NameSbcs Displays the requesting department name in alphanumerics. <input type="radio"/> 2 : NameDbcs Displays the requesting department name in kanji.	Setting the content of the menu to be displayed in the requesting department name field.	
23	Technician's Name Field Setup	<input checked="" type="radio"/> 0 : Code Displays the technician's code. <input type="radio"/> 1 : NameSbcs Displays the technician's name in alphanumerics. <input type="radio"/> 2 : NameDbcs Displays the technician's name in kanji.	Setting the content of the menu to be displayed in the technician's name field.	

⊙ : Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
24	Min.Set Number	1 to ZZ (⊙ 1)	Setting the minimum value for the function processing setup No. * Be sure to enter one-byte characters on the keyboard. * Enter a value smaller than that specified in "25. Max. Set Number" below. * Do not set the numbers with a "0" included (e.g.: 10).	
25	Max.Set Number	1 to ZZ (⊙ 9Z)	Setting the maximum value for the function processing setup No. * Enter a value larger than that specified in "24. Min. Set Number" above. * Be sure to enter one-byte characters on the keyboard. * Do not set the numbers with a "0" included (e.g.: 90).	
26	MCR Customized Card	⊙ No The hospital card is not used. ○ Yes The hospital card is used.	Specifying whether or not to use the hospital card.	
27	MCR Card Type (JIS/ISO)	○ 0 : JIS ⊙ 1 : ISO	Specifying the magnetic card type. * By default, "JIS" is determined in the DR-ID 800CL-AP Disk.	
28	MCR Card Format Setup	⊙ 0 : FUJI (JIS type, ISO type) ○ 1 : FJ01 (JIS type) ○ 2 : FJ02 (JIS type) ○ 3 : FJ03 (JIS type) ○ 4 : FJ04 (JIS type) ○ 5 : FJ05 (JIS type) ○ 6 : FJ51 (ISO type)	Specifying the magnetic card format setup type.	
30	Technician's Code Length	1 to 2 (⊙ 2)	Setting the technician's code length. * Be sure to enter one-byte characters on the keyboard.	
42	Wait Time for Performed Exposure Info. From Xcon	1 to 30 (Do not change normally) (⊙ 3)	Specifying the wait time (in seconds) between the instant at which the ID information acquisition request is received from the built-in type device and the instant at which the XCON exposure result information is received in situations where exposures are made by the built-in type device with the XCON being connected.	
43	Xcon Status Display Strings	⊙ XCON	Image display caption when the XCON is connected. * Use a maximum of five alphanumerics to specify the caption. * Be sure to enter one-byte characters on the keyboard.	

⊙ : Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
44	Xcon Serial_TX Control Port	Enter a numerical value in accordance with the number of ports to be used. (Enter the value 0 if the control port is not used.) (⊙ 2)	Performing XCON control serial port setup. * By default, "0" is determined in the DR-ID 800CL-AP Disk.	
45	Xcon Performed Info. Reception	<input type="radio"/> No Does not receive operating conditions. <input checked="" type="radio"/> Yes Receives operating conditions.	Specifying whether or not to receive operating condition data.	
46	Xcon Exposure Info. Transfer	<input type="radio"/> No Does not transfer exposure conditions. <input checked="" type="radio"/> Yes Transfers exposure conditions.	Specifying whether or not to transfer exposure condition data. * By default, "No" is determined in the DR-ID 800CL-AP Disk.	
47	Xcon Exposure Info. Limit Value (Minimum KVP [kv])	⊙ 40 (0 - 9999)	Minimum tube voltage. * By default, "1" is determined in the DR-ID 800CL-AP Disk.	
48	Xcon Exposure Info. Limit Value (Maximum KVP [kv])	⊙ 150 (0 - 9999)	Maximum tube voltage. * By default, "500" is determined in the DR-ID 800CL-AP Disk.	
49	Xcon Exposure Info. Limit Value (Minimum X-ray Tube Current [mA])	⊙ 10 (0 - 9999)	Minimum tube current. * By default, "1" is determined in the DR-ID 800CL-AP Disk.	
50	Xcon Exposure Info. Limit Value (Maximum X-ray Tube Current [mA])	⊙ 1000 (0 - 9999)	Maximum tube current. * By default, "400" is determined in the DR-ID 800CL-AP Disk.	
51	Xcon Exposure Info. Limit Value (Minimum Exposure Time [msec])	⊙ 1 (0 - 9999)	Minimum irradiation time. * By default, "10" is determined in the DR-ID 800CL-AP Disk.	
52	Xcon Exposure Info. Limit Value (Maximum Exposure Time [msec])	⊙ 8000 (0 - 9999)	Maximum irradiation time. * By default, "5400" is determined in the DR-ID 800CL-AP Disk.	
53	Xcon Exposure Info. Limit Value (Minimum Reserve 1)	⊙ 0 (0 - 9999)	Minimum Reserve Code 1 value to be sent to the X-CON. * If use "mA+msec mode" with an X-ray exposure device made by Arcoma, set this item to "0".	

⊙ : Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
54	Xcon Exposure Info. Limit Value (Maximum Reserve 1)	⊙ 8000 (0 - 9999)	Maximum Reserve Code 1 value to be sent to the X-CON.	
55	Distribution Code for FCR5000 Series Connection	⊙ 5000-IIP	Distribution code used for receiving images from the FCR5000 series. * Be sure to enter a maximum of eight one-byte characters on the keyboard.	
56	Enable Patient Info.DB Function	<input type="radio"/> No Does not use the patient database function. <input checked="" type="radio"/> Yes Uses the patient database function.	Specifying whether or not to use the patient database function. * The setup value becomes invalid if the mass screening order issuance function is activated.	
57	Max. Number of Patient Info.	0 to 300000 (⊙ 300000)	Maximum number of patients that can be recorded to the patient database. * The default setting in V7.0 is "5000".	
60	IP Info. Request Timeout (Reader:CSL=N:N)	1 to 60 (basically not changed.) (⊙ 60)	Timeout value that prevails in the DR-ID 800CL when the RU conducts an IP information search while the RU-CL N:N connections established.	
64	MWM RIS Trigger Port	⊙ 5001 (Basically not changed.)	RIS trigger reception port number for MWM use. Enter a numerical value in accordance with the RIS trigger reception port.	
65	MWM RIS Trigger Timeout	1 to 1000. (Basically not changed.) (⊙10)	RIS trigger reception timeout value (sec) for MWM use.	
66	MWM Execute Study Type	<input checked="" type="radio"/> 0 : Manual Manual start. <input type="radio"/> 1 : Trigger Trigger-driven start. <input type="radio"/> 2 : Auto Automatic execution upon study reception.	Specifying the study start method for MWM use. Select an appropriate method in accordance with the RIS specifications and actual hospital operations.	
68	Exposure Menu Code Treatment	<input checked="" type="radio"/> 0 : Normal <input type="radio"/> 1 : JJ1017 <input type="radio"/> 2 : JJ1017(Ver3)	Exposure menu code system for MWM use. Make an appropriate selection in accordance with the RIS specifications.	
69	Recept Computer Hostname	Up to 16 one-byte characters. (⊙ ReceptComp)	Receptor computer host name for receptor computer use. * A maximum of 16 alphanumeric characters can be set up. * Be sure to enter one-byte characters on the keyboard.	
70	Recept Computer IP Address	Up to 15 one-byte characters. (⊙ 172.16.1.50)	Receptor computer IP address for receptor computer use. * Be sure to enter one-byte characters on the keyboard.	

⊙ : Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
71	Recept Computer Port Number	1 - 65535 (⊙ 6000)	Receptor computer port number for receptor computer use. Enter a numerical value in accordance with the receptor computer port number.	
72	Recept Computer Patient Info. Format	⊙ 0:A01 ○ 1:A51	Patient information format to be acquired from the receptor computer. Select a setting in accordance with the receptor computer.	
73	Recept Computer Request Timeout	1 - 60 (⊙ 15)	Timeout value (sec) for the response from the receptor computer.	
76	PPS Exposure Status Sequence	○ 0 : No Does not output. ○ 1 : Status Only Outputs only exposure status. ⊙ 2 : Status + Other Results Outputs exposure status along with other actual results.	Specifying whether the PPS should return the exposure status (such as repeat/reject of exposures) with a Private tag. * Specify "0: Output Default Condition" for "120 Xcon No-Data Default Output". * By default, "0: No" is determined in the DR-ID 800CL-AP Disk.	
81	Enable Continuous Barcode Read	○ Yes Enables the continuous barcode read function. ⊙ No Disables the continuous barcode read function.	Specifying whether or not to permit the same barcode to be continuously registered.	
83	Default Requesting Service	Requesting department code consisting of up to 16 one-byte characters. (⊙ Blank)	Requesting department name to be displayed by default. * Be sure to key in a one-byte character string. * Be sure to enter a requesting department code. * The setup value becomes invalid if the mass screening order issuance function is activated.	
84	Barcode Type for Search on List	⊙ 0 : Accession Number Accession number ○ 1 : Patient ID Patient ID.	Search key used for barcode-based searches.	
89	MWM Menu Name Mapping	○ Yes Handles as an exposure menu name. ⊙ No Does not handle as an exposure menu name.	Specifying whether the Code Meaning (0040,0100>0040,0008>0008,0104) acquired as the information about a response from the RIS should be handled as an exposure menu name.	
90	PPS Exposure Status Mapping Tag	⊙ 0040, 0260 > 0080, 0104 Tag for exposure information mapping.	Specifying the tag for exposure information mapping at the PPS. * If this field is left blank, exposure information mapping does not take place. The tag VR may be limited depending on the setting for item No. 91.	

⊙ : Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
91	PPS Exposure Status Mapping Kind	<input checked="" type="radio"/> 0 : None Performs no mapping. <input type="radio"/> 1 : Div + Status + Kind Divided exposure count/exposure status/exposure kind (all). <input type="radio"/> 2 : Div Divided exposure count only. <input type="radio"/> 3 : Status + Kind Exposure status/exposure kind only.	Specifying the information to be set for exposure information mapping for the standard tag at the PPS. * The VR values that can be set for the tag indicated under item No. 90 are LT, ST, UT, and LO for 1; LT, ST, UT, LO, and SH for 2; LT, ST, UT, and LO for 3.	
93	Use Distribution Code Depart Name	<input type="radio"/> 0 : Yes Handles as a distribution code. <input checked="" type="radio"/> 1 : No Does not handle as a distribution code.	Specifying whether or not to handle a requesting department name as a distribution code. * The setup value becomes invalid if the mass screening order issuance function is activated.	
95	Receipt Computer Type	<input checked="" type="radio"/> 0:Standard FujiFilm Standard <input type="radio"/> 1:SANYO Panasonic (Sanyo) <input type="radio"/> 2:TOSHIBA Toshiba <input type="radio"/> 3:FUJITSU Fujitsu	Computer type for connection of a receipt computer. * To use Synapse RIS, select "0: Standard".	
96	Kanji Patient's Name Auto Convert	<input checked="" type="radio"/> No Not used. <input type="radio"/> Yes Used.	Selecting whether or not to use a function for automatically converting to a kana patient name when a kanji patient name is input on the hospital-specified patient information input window. (Applicable only in Japan.)	
97	Receipt Computer Info File Share Folder	<input checked="" type="radio"/> C:\User\IIP\ReceiptShare\	Specifying a folder in which the shared information file is to be stored when a receipt computer is connected. * Set up with up until 256 characters in alphanumeric characters. * Be sure to enter a 1-byte character string from the keyboard.	
100	Receipt Computer Info File Temporal Folder	<input checked="" type="radio"/> C:\Program Files\FujiFilm\IIP\Data\Reserved	Specifying a folder in which an information file where an error occurred is to be backed up when a receipt computer is connected. * Set up with up until 256 characters in alphanumeric characters. * Be sure to enter a 1-byte character string from the keyboard.	
105	Do Next Study At Study Screen With End Button Click	<input type="radio"/> Yes Used. <input checked="" type="radio"/> No Not used.	Specifying whether or not to use a function that enables to start the next study with the study window displayed, when the study end button is clicked on the study window. * This is the setup item in V7.0.	

☉ : Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
108	Xcon Format Type	<input type="radio"/> 0 : Old Conventional X-CON other than for mammography. <input type="radio"/> 1 : Old-Expand Expanded Shimadzu X-CON format <input type="radio"/> 2 : Old-Expand2 Expanded format2 <input checked="" type="radio"/> 3 : Old-Expand3 Expanded format3 <input type="radio"/> 4 : Mammo1 X-CON-1 for mammography use. <input type="radio"/> 5 : Mammo2 X-CON-2 for mammography use. <input type="radio"/> 6 : Mammo3 X-CON-3 for mammography use (Not used)	Specifying the X-CON type. * For DR-ID 800CL, set this item to "3:Old-Expand". * By default, "0: Old" is determined in the DR-ID 800CL-AP Disk.	
109	Xcon Interlock Command Transfer	<input checked="" type="radio"/> No Not used. <input type="radio"/> Yes Not transmitted.	Specifying whether or not to transmit the interlock command.	
111	Xcon Serial_TX Baudrate	<input type="radio"/> 0 : 1200 <input type="radio"/> 1 : 2400 <input checked="" type="radio"/> 2 : 4800 <input type="radio"/> 3 : 9600	Specifying the X-CON serial transfer rate (unit: bit).	
112	Xcon No-Response Timeout	0-255 (⊙ 20)	Specifying the timeout value for response coming from the X-CON (unit: 100msec).	
113	Xcon Data Reception Timeout	0-255 (⊙ 20)	Specifying the timeout value for reception of data coming from the X-CON (unit: 100msec).	
114	Media Auto Mount	<input type="radio"/> Yes Automatically mounted. <input checked="" type="radio"/> No Not mounted automatically.	Specifying whether or not to mount media automatically at CL startup.	
115	Synapse Host for Web Query	⊙ synapse	Specifying name of the Synapse server that offers the Web Query function. * Make sure to enter one-byte characters on the keyboard. * A maximum of 255 alphanumeric characters can be used to specify the server name. * Be sure to enter the IP address when it was used to install the Synapse Client function.	

⊙ : Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
116	Web Query Root Path	<input checked="" type="radio"/> /All%20Patients	Specifying a root folder of the Synapse server to be searched for with the Web Query function. * A maximum of 128 two-bytes characters and 256 alphanumerics can be used to specify the root folder.	
117	Xcon DoseValue1	<input type="radio"/> 0 : Average Organ Dose Assigns the mammary gland absorption dose to Value 1. <input checked="" type="radio"/> 1 : Entrance Dose Assigns the exposure dose to Value 1. <input type="radio"/> 2 : Dose Product Assigns the area dose to Value 1.	Specifying which of the mammary gland absorption dose, exposure dose and area dose (of the two types of dose values transmitted from the X-CON) is to be assigned to Value 1. * To connect a DAP, set this item to "2:Dose Product".	
118	Xcon DoseValue2	<input type="radio"/> 0 : Average Organ Dose Assigns the mammary gland absorption dose to Value 2. <input type="radio"/> 1 : Entrance Dose Assigns the exposure dose to Value 2. <input checked="" type="radio"/> 2 : Dose Product Assigns the area dose to Value 2.	Specifying which of the mammary gland absorption dose, exposure dose and area dose (of the two types of dose values transmitted from the X-CON) is to be assigned to Value 2.	
119	Enable Velocity Sensitivity Button	<input checked="" type="radio"/> 0 : No Does not display. <input type="radio"/> 1 : Yes (Velocity_T Only) Displays only the supine position. <input type="radio"/> 2 : Yes (Velocity_U Only) Displays only the upright position. <input type="radio"/> 3 : Yes (Both) Displays both the supine position and upright position.	Specifying whether to display or hide the high-sensitivity selection button for curtailed erasure of data on the VELOCITY.	
120	Xcon No-Data Default Output	<input type="radio"/> 0 : Output Default Condition Outputs the default database value by setting it up to the tag. <input checked="" type="radio"/> 1 : Doesn't Output Anything Does not set up exposure-related information to the tag.	Specifying the setting for output of actual result value when it couldn't be received from the X-CON.	
123	MWM Not Received Condition Delete Study	<input checked="" type="radio"/> No Study information is not deleted. <input type="radio"/> Yes Study information is deleted.	Specifying whether or not to delete the study information when C-FIND-RES is notified even though the Network WL tab has not been selected.	
133	Use 12on1 Film Print in MediaList	<input checked="" type="radio"/> No Not used. <input type="radio"/> Yes Used.	Specifying whether or not to use 12on1 format output from the media list.	
134	StudyInstanceUID Regeneration	<input type="radio"/> Yes Permitted. <input checked="" type="radio"/> No Not permitted.	Specifying whether or not to permit StudyInstanceUID regeneration received from RIS.	

☉ : Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
136	Xcon Serial_TX Control Port2	0-32 (⊙ 0)	Specifying the serial port number used for the X-CON control (for Siemens mammography X-CON). * Select "0" if you do not use the serial port number.	
137	Exposure Guidance URL	A maximum of 256 one-byte characters. ⊙ http://localhost:8080	Top-page URL of the exposure guidance (Pico positioning guidance). * Applicable only in Japan.	
138	FUJITSU Recept Computer Receiving Port Number	1-65535 (⊙ 5011)	Port number for the FUJITSU receipt computer to receive data.	
139	FUJITSU Recept Computer Receiving Timeout	1-1000 (⊙ 1000)	Timeout value for the FUJITSU receipt computer to receive continuous text. (Unit = msec)	
140	Enable IP Use Count List	<input type="radio"/> Yes Enabled. <input checked="" type="radio"/> No Not enabled.	Specifying whether or not to display the list of DR cassette use count calculation information. * Use the LOG SHARE setting to register a host name and an IP address for the DR-ID 800CL targeted for collection of the DR cassette use count calculation information.	
141	Enable IP Use Count Reset	<input type="radio"/> Yes Reset. <input checked="" type="radio"/> No Not to be reset.	Specifying whether or not to reset the DR cassette use count. * Select "No".	
142	Xcon Serial_TX Parity	<input type="radio"/> 0 : none <input type="radio"/> 1 : odd <input checked="" type="radio"/> 2 : even	Specifying the X-CON serial transfer parity.	
164	Use PPS Cache Server	<input checked="" type="radio"/> No Does not use the PPS Cache server. <input type="radio"/> Yes Uses the PPS Cache server.	Specifying whether or not to use the PPS Cache server.	
167	PDI Driver Letter	One-byte characters. (⊙ None)	Specifying an alphabetical letter assigned to the drive on the CD-R drive targeted for output by using the PDI function. * Use an alphabetical letter in capital. * The setting for DICOM file output is also specified in this item.	

⊙ : Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
168	PDI Use CrtLut	A maximum of 64 one-byte characters. <input checked="" type="radio"/> C:\Program Files\FujiFilm\IIP\CrtLut\PDI.lut	Specifying SoftcopyLUT applied to a processed image by using the PDI function. * Use the absolute path to specify the LUT filename (including extension). If it is left empty, no CrtLut processing is performed. * The setting for DICOM file output is also specified in this item. * To output without standardization, make it blank or set it to "Linear.lut (LL-PL_new.lut)".	
170	PDI Use Multibyte	<input type="radio"/> Yes Included. <input checked="" type="radio"/> No Not included.	Specifying whether or not to include multi-byte information in the DICOM contents by using the PDI function. * The setting for DICOM file output is also specified in this item.	
171	PDI Transfer Syntax	<input checked="" type="radio"/> 0 : Explicit VR Little Endian <input type="radio"/> 1 : Jpeg Lossless	Specifying a DICOM contents transfer syntax by using the PDI function. * To conform with IHE, select "0 : Explicit VR Little Endian". * The setting for DICOM file output is also specified in this item.	
172	PDI Image Bit Stored	<input type="radio"/> 0 : 10 <input checked="" type="radio"/> 1 : 12 <input type="radio"/> 2 : 14	Specifying the bit depth. * For CR, set "0 : 10" or "1 : 12". * For DR, set "1 : 12" or "2 : 14". * The setting for DICOM file output is also specified in this item.	
174	Enable Auto Marker	<input checked="" type="radio"/> Yes Enabled. <input type="radio"/> No Not enabled.	Specifying whether or not to enable the auto marker function.	
177	DAP Serial_TX Parity	<input checked="" type="radio"/> 0 : none <input type="radio"/> 1 : odd <input type="radio"/> 2 : even	Specifying a DAP serial transfer parity.	
178	DAP Serial_TX Control port	0-32 (<input checked="" type="radio"/> 0)	Specifying a DAP serial transfer control port number. (0: Not used.)	
179	DAP Message Trial Count	1-255 (<input checked="" type="radio"/> 3)	Specifying a DAP message transfer trial count.	
180	DAP Address	<input checked="" type="radio"/> A	Specifying a DAP address character while a DAP is connected. (Specify a capital alphabet.)	
181	Wait Time for Response. From DAP	1-30 (<input checked="" type="radio"/> 1)	Specifying a time to wait (in seconds) until a response is received after a related command was transferred to the DAP.	
182	Dap Status Display Strings	Up to 5 characters in 1-byte characters (<input checked="" type="radio"/> DAP)	Specifying a caption used to indicate a related status while a DAP is connected.	
183	Send Xcon Detail Parameter	<input checked="" type="radio"/> Yes Detail parameters are to be sent. <input type="radio"/> No No detail parameters are to be sent.	Specifying whether or not to send detail parameters at exposure condition transfer.	

: Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
185	Enable Display Reverse Marker	<input type="radio"/> Yes Enables the function to automatically display the right-and-left reverse marker. <input checked="" type="radio"/> No Disables the function to automatically display the right-and-left reverse marker.	Specifying whether to enable or disable the function to automatically display the right-and-left reverse marker. * Determine the right-and-left reverse marker to "C:\Program Files\FujiFilm\IIP\Config\ReverseMarker.bmp".	
186	Reverse Marker Position [%] (X\Y)	A maximum of 7 one-byte characters. (<input checked="" type="radio"/> 12\5)	Specifying relative positions of the X coordinate and the Y coordinate at the center, in relation to the width of the right-and-left reverse marker. * Determining the top left as the original point, delimit the numbers from 0 to 100 with "\". The first figure is set to represent relative position of the X coordinate and the other that follows is to represent relative position of the Y coordinate.	
187	Reverse Marker Color (Fore Color-Back Color)	<input type="radio"/> 0 : White-Black While - Black <input checked="" type="radio"/> 1 : White-Clear White - Clear <input type="radio"/> 2 : Black-White Black - White <input type="radio"/> 3 : Black-Clear Black - Clear	Specifying foreground and background colors of the right-and-left reverse marker.	
188	Mass Order Site Code Mapping Tag	The value of the DICOM tag is indicated without comma. Inputted with single-byte characters. <input checked="" type="radio"/> (Blank)	Specifying to which tag the site identification code, entered using the screening examination ordering function, is to be mapped. Example: When mapping at (0032, 1033), enter "00321033."	
191	Display Terminal Share Folder	<input checked="" type="radio"/> C:\User\IIP\DisplayTerminal\	Specifying a share folder where the patient information files (XML files) are to be stored. * A maximum of 256 alphanumeric characters can be used to specify a share folder name.	
192	Patient Info File Name	<input checked="" type="radio"/> PatientInfo.xml	Specifying a name of the patient information file (XML file). * A maximum of 256 alphanumeric characters can be used to specify a filename.	
195	Exposure Area Margin	<input checked="" type="radio"/> 0	Specifying an error value (unit: mm) when the irradiated field is to be recognized automatically. * Specify an integer number. * The trimming size is decided by reducing the recognized irradiated field area by the determined value. Because the X-ray irradiation is a projection of radioactivity, the irradiated field area on the detector face tends to be larger than on the exposure stand face. This function is used to correct such difference caused in the irradiated field area.	

: Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
196	Serial Xcon Connection	<input type="radio"/> No Does not receive the actual result information. <input checked="" type="radio"/> Yes Receives the actual result information.	Specifying whether or not DR-ID 800CL receives actual result information from X-CON via serial connection.	
205	Enable Auto Pairing	<input checked="" type="radio"/> No Disables. <input type="radio"/> Yes Enables.	Specifying whether or not to enable the auto pairing. * When "2:CR" is specified for item No. 35 of IMAGE MODALITY, set this item to "No".	
304	Enable Patient's Info. Automatic Search by Bcr/Mcr	<input type="radio"/> Yes Searches automatically. <input checked="" type="radio"/> No Does not search automatically.	If the search function in patient database/MWMPI is enabled, specifying whether or not to search automatically at the time of reading BCR/MCR.	
305	Max Number of Exposure Menu	1 or larger (☉ 48)	Specifying the maximum number of exposure menus which can be registered on the study execution window.	
306	Media Folder Warning Capacity	50-300 (☉ 100)	Specifying the remaining capacity of the media for displaying the warning (Unit: MB).	
307	Simplified Ordering Report Share Folder	☉ C:\User\IIP\OrderingReportShare\	Specifying the directory to share files of the actual result information when connecting to Synapse RIS/Simple Ordering. * Specify with up until 256 alphanumeric characters. * Be sure to enter a 1-byte character string from the keyboard.	
308	Synapse RIS URL	☉ http://localhost:8080	Specifying the URL to access the Synapse RIS. * Specify with up until 256 alphanumeric characters. * Be sure to enter a 1-byte character string from the keyboard. * Do not change this setting as it is a preliminary setting.	
309	Enable Multiple Study Select	<input type="radio"/> No Does not allow to select multiple studies. <input checked="" type="radio"/> Yes Allows to select multiple studies.	Specifying whether or not to allow to select multiple studies in the study list etc. * The default setting in V7.0 is "No".	
310	Alert MSG Type When Patient Information will be Modified	<input checked="" type="radio"/> 0 : Display Displays a message. <input type="radio"/> 1 : Non-Display Hides a message.	Specifying whether or not to display a message when changing the patient information.	
312	Media Set Default FPD-System	<input type="radio"/> BNEO <input type="radio"/> FDR-AcSelerate <input type="radio"/> CALNEO U/MT/MB <input checked="" type="radio"/> CALNEO-C <input type="radio"/> FDR D-EVO	Specifying the default value if FPD-System cannot be identified when the image is retrieved from the media.	

☉ : Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
313	Edge Correct RE	100-1600 (⊙ 300)	Specifying the magnification ratio (%) to adjust the frequency emphasis level in the magnification display function. * The value given by multiplying RE/MRE by this value will be the parameter for emphasizing the edge. * This parameter is effective for two parameters of RE/MRE. * This item can also be set up using the User Utility function. The item set up the last will be valid.	
314	Selection of GT Parameter Type	<input type="radio"/> 0 : compatible only Old (Only the capital characters can be used) <input type="radio"/> 1 : new only New (Only the lower-case characters can be used) <input checked="" type="radio"/> 2 : both Both types of characters can be used.	Specifying the filtering method for image processings parameters and parameters of GT.	
315	Display Battery Warning	<input checked="" type="radio"/> Yes Displays the warning for low battery. <input type="radio"/> No Does not display the warning for low battery.	Specifying whether or not to display the warning for low battery on DR-ID 601SE, DR-ID 602SE, DR-ID 611SE, DR-ID 612SE and DR-ID 613SE when a study is started.	
318	Use X-ray Free Operation	<input checked="" type="radio"/> No Does not use the operations related to X-ray automatic detection function. <input type="radio"/> Yes Uses the operations related to X-ray automatic detection function.	Specifying whether or not to use the operations related to X-ray automatic detection function.	
320	Remaining Battery Display Format	<input checked="" type="radio"/> 0: hh:mm Time <input type="radio"/> 1: Percent %	Specifying the unit to show the battery power.	
321	Use X-ray Free Operation Mode	<input checked="" type="radio"/> No Unable to select the operation mode of X-ray automatic detection function in User Utility. <input type="radio"/> Yes Enable to select the operation mode of X-ray automatic detection function in User Utility.	Specifying whether or not to select the operation mode (Auto, Manual) of X-ray automatic detection function in User Utility. * When changing the setting from “Yes” to “No”, be sure to set the operation mode of X-ray automatic detection function in User Utility to “Auto” in advance.	
322	Use ES Motion Correction Param Set	<input type="radio"/> No Does not display the ES motion correction parameter set. <input checked="" type="radio"/> Yes Displays the ES motion correction parameter set.	Specifying whether or not to display the ES motion correction parameter set.	

⊙ : Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
323	TopBoard To Partition Distance	⊙ 0 (0-500)	Specifying the distance between the topboard of the upright exposure stand and the partition (mm). Without partition: 0 With partition: 37 * Operation with/without partition is fixed in upright exposures. The setting cannot be changed for each exposure.	
325	Distance Path of QC Test	⊙ E:/	Specifying the destination to save the QC test target. * This is the setup item in V7.0.	
327	GPR Processing algorithm to DR Image	<input type="radio"/> 0: old ⊙ <input checked="" type="radio"/> 1: GPR2	Setting the type of the GPR processing algorithm executed for DR images.	
328	Reduction Ratio of WS image (DR) is fixed	<input checked="" type="radio"/> No The reduction ratio is fluctuated. <input type="radio"/> Yes The reduction ratio is fixed.	Specifying the reduction ratio of a long-view image.	
333	mAs Auto Calculation	<input checked="" type="radio"/> No Automatic calculation is not performed. <input type="radio"/> Yes Automatic calculation is performed.	Setting whether or not to automatically calculate the value of mAs/ ReserveCode1 based on the tube current (mA) and the irradiation time (millisecond) when setting the X control parameter of exposure menu.	
334	mAs Verification	<input checked="" type="radio"/> No Verification is not performed. <input type="radio"/> Yes Verification is performed.	Setting whether or not to check the consistency among the input values of tube current (mA), irradiation time (millisecond) and mAs/ ReserveCode1 when setting the X control parameter of exposure menu.	
335	Motion Correct Marker Path	Up to 256 one-byte characters. (⊙ C:/Program Files/FujiFilm/IIP/Config/CorrectedMotionMarker.bmp)	Specifying the folder containing motion correction marker to be set to a combined image.	
336	Density Irregularity Warning Value	⊙ 4 (-1 to 20)	Specifying the threshold value for the density irregularity warning in the alignment detection processing (%). * "-1" setting means processing OFF. * When set to 0 and saved, this value is automatically changed to "-1 (processing OFF)". * This is the setup item in V7.0.	
337	Mode of Alignment Auto warning	<input checked="" type="radio"/> Detect Detection mode	Specifying the alignment detection processing mode. * The mode is fixed to "Detect". * This is the setup item in V7.0.	
338	Examination No. Alignment	<input checked="" type="radio"/> Left <input type="radio"/> Right	Setting the alignment conditions for the accession number.	

⊙ : Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
339	Enable Function Mass Order	<input checked="" type="radio"/> No Enable. <input type="radio"/> Yes Disable.	Specifying whether or not to enable the function to issue mass order.	
340	Enable Auto Pairing	<input checked="" type="radio"/> No Enable. <input type="radio"/> Yes Disable.	Setting whether or not to enable the auto-pairing menu. * This is the setup item in V7.0.	
341	Sorting priority of the studylist for Smacon	<input checked="" type="radio"/> None	Specifying the sorting priority of the study list screen for Smacon. * Do not change this setting as it is a preliminary setting. * This is the setup item in V7.0. * When not specified, sorting of the studies is done by the work ID. * Up to three conditions can be specified. * In case of multiple specifications, the CSV format must be used for the specification (specify the element with the highest priority first).	
342	Filtering conditions of the cluster's hostname for Smacon	<input checked="" type="radio"/> None	Setting the cluster's host name to be displayed on the Smacon study list screen. * Do not change this setting as it is a preliminary setting. * This is the setup item in V7.0. * All hosts are displayed when no specification is made. * In case of multiple specifications, the setting must be specified with the CSV format (specify the element with the highest priority first).	
343	Display Maximum number of the studylist for Smacon.	<input checked="" type="radio"/> 50 (0 to 1000)	Specifying the max. number of studies to be displayed on the Smacon study list screen. * Do not change this setting as it is a preliminary setting. * This is the setup item in V7.0. * When "0" is specified, the number of studies to be displayed becomes unlimited.	
344	Range of IP addresses for the Smacon	<input checked="" type="radio"/> 172.16.0.10	Specifying the IP addresses recognized by the Smacon. * Do not change this setting as it is a preliminary setting. * Multiple IP addresses can be specified in CSV format. Example: 192.168.0.1,192.168.0.2	
345	Smacon Default Login UserName	Up to 16 one-byte characters. (<input checked="" type="radio"/> Guest)	Setting the login user name for user authentication of Smacon when the security function is disabled. * Do not change this setting as it is a preliminary setting.	

☉ : Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
346	Smacon Default Login Password	Up to 20 one-byte characters. (⊙ Password)	Setting the login password for user authentication of Smacon when the security function is disabled. * Do not change this setting as it is a preliminary setting.	
347	Smacon Login Timeout	⊙ 10 (1 to 60)	Specifying the Smacon authentication timeout value (unit: min). * Do not change this setting as it is a preliminary setting.	
348	Display Calibration Dialog	⊙ No Not displayed. ○ Yes Displayed.	Setting whether or not to display a warning message at the time of calibration.	
349	Enable Update Order information With MWM	⊙ No Disabled. ○ Yes Enabled.	Setting whether or not to enable the function for replacing the order information using MWM. * This setting is valid only when F-RIS is connected.	
350	Use wild card for Update Order information	⊙ 0:No Searched by exact match. ○ 1:AccessionNumber Searched by partial match.	Specifying the search condition for searching order information with a study number when using the function for replacing the order information using MWM. * This setting is valid only when F-RIS is connected.	
352	Use X free High Sensitive Mode	⊙ No Not used. ○ Yes Used.	Setting whether or not to use the high-sensitivity mode of the X-ray automatic detection function.	
353	Time-out Value in High Sensitive Mode	⊙ 30 (5 to 60)	Specifying the timeout value in high-sensitivity mode of the X-ray automatic detection function (unit: sec).	
354	MPM Code for QC Lag Image	Up to 64 one-byte characters. (⊙ 091E)	Specifying the MPM code used as a menu for non-exposed QC in the high sensitive mode of the X-ray automatic detection function. * Multiple codes can be specified delimited by commas.	
355	Enable Alignment Density Irregularity Correction	⊙ No Cannot be applied. ○ Yes Can be applied.	Specifying whether or not to enable the alignment density irregularity correction. * Do not change this setting as it is a preliminary setting. * This is the setup item in V7.0.	
356	DI Warning Lower Limit	⊙ 0 (-10000 to 10000)	Specifying the lower limit of the DI value warning range. * Specify the number which is 10 times of the value you actually wish to set.	
357	DI Warning Upper Limit	⊙ 0 (-10000 to 10000)	Specifying the upper limit of the DI value warning range. * Specify the number which is 10 times of the value you actually wish to set.	

⊙ : Default setting, *: Note

■ CSL/IDT FUNCTION setup items

No.	Name	Selection	Meaning	Remarks
358	Smacon Default Reject Comment	Up to 128 one-byte characters. (☉ This exposure menu was rejected by the mobile terminal.)	Specifying the default reject comment for when using the Smacon. * Do not change this setting as it is a preliminary setting.	
360	Enable User Authentication for the Smacon	<input type="radio"/> No Does not use the user authentication. <input checked="" type="radio"/> Yes Uses the user authentication.	Specifying whether or not to use the user authentication when using the Smacon. * Do not change this setting as it is a preliminary setting.	
362	Enable S/L Value View Function	<input type="radio"/> No Disable. <input checked="" type="radio"/> Yes Enable	Specifying whether or not to enable the S/L value view function of the exposure menu display area.	
363	Enable Display StatusView on FRIS Screen	<input checked="" type="radio"/> No Does not display the status. <input type="radio"/> Yes Displays the status.	Specifying whether to display the connected device status on the FRIS client screen. * Applicable only in Japan.	
364	Xcon Dose Unit	<input checked="" type="radio"/> 100 "1dGycm2" is used as the unit. <input type="radio"/> 1 "1mGycm2" is used as the unit. (For VacuDAP "1570015") <input type="radio"/> 0.1 "0.1mGycm2" is used as the unit. (For VacuDAP "1580015")	Specifying the unit of area dose value notified as the result (how many times based on mGycm2). * When a dose-area product meter is to be connected to the Fuji product, set this item to "0.1".	
365	Inherit the Menu Condition	<input type="radio"/> No The default menu is used. <input checked="" type="radio"/> Yes The exposure condition of the copy source is used.	Specifying whether or not to use the exposure condition of the copy source when reexposure or additional exposure.	
366	Display Terminal Format	<input checked="" type="radio"/> 0:Patient Patient information only <input type="radio"/> 1:Patient,Menu Patient information and exposure menu information	Specifying the format of the XML file read by the patient information display linkage function.	
367	Enable 2D Barcode	<input checked="" type="radio"/> No Not used. <input type="radio"/> Yes Used.	Setting whether or not to use the 2D barcode reader.	
368	Enable radio map in hospital network dialog	<input checked="" type="radio"/> Yes Displayed. <input type="radio"/> No Not displayed.	Setting whether or not to display the electric wave intensity in the list of wireless networks inside the hospital. * Set "No" if the access points in the hospital do not use separate SSIDs.	

☉ : Default setting, *: Note

3.8 Configuration Details — 7. CONFIG OPTION

■ CONFIG OPTION setup items

No.	Name	Selection	Meaning	Remarks
5	Enable Synapse WebQuery	<input type="radio"/> Yes Enables the Synapse Web Query function. <input checked="" type="radio"/> No Disables the Synapse Web Query function.	Specifying whether to enable or disable the Synapse Web Query function.	
6	Enable S/L Value Restriction Function	<input type="radio"/> Yes Performs setting and warning. <input checked="" type="radio"/> No Not to perform setting and warning.	Specifying whether or not to perform setting and warning for the allowable range of S and L values.	
7	Enable RetakeAnalysis Function	<input type="radio"/> Yes Enables the Retake Analysis function. <input checked="" type="radio"/> No Disables the Retake Analysis function.	Specifying whether or not to enable the Retake Analysis function. * To enable this option, use the log storage function offered by the User Utility to collect necessary logs beforehand. * To enable this option, specify "Yes" also for Nos. 34 and 51 of IMAGE MODALITY setup items. * Use the LOG SHARE setup function to register the host name and IP address of the DR-ID 800CL targeted for calculation of Retake Analysis.	
8	Enable MammolImage Alignment Function	<input checked="" type="radio"/> No Disables the positioning function. <input type="radio"/> Yes Enables the positioning function.	Specifying whether to enable the mammography image positioning function or disable it. * When "Yes" is specified for this item, set up a used MPM code using the User Utility.	
9	Enable 12on1 Film Print Function	<input checked="" type="radio"/> No Disables 12on1 format output. <input type="radio"/> Yes Enables 12on1 format output.	Specifying whether or not to enable 12on1 format output. * To enable this option, also confirm setup value for No. 133 of CSL/ IDT FUNCTION setup items and setup values for Nos. 78, 79 and 80 of PRINTER setup items.	
10	Enable Exposure Guidance	<input type="radio"/> No Disables the exposure guidance function. <input checked="" type="radio"/> Yes Enables the exposure guidance function	Specifying whether or not to enable the exposure guidance function for general practitioners. * Applicable only in Japan.	
11	Enable Six Image Display	<input type="radio"/> No Disables six-image display. <input checked="" type="radio"/> Yes Enables six-image display.	Specifying whether to enable or disable six-image monitoring mode on the Study Execution Window. * This is the setup item in V7.3 or later. * By default, "No" is determined in the DR-ID 800CL-AP Disk.	
13	Enable Connecting DAP Directly	<input type="radio"/> Yes Connects directly to a DAP. <input checked="" type="radio"/> No Does not connect directly to a DAP.	Specifying whether or not to connect DR-ID 800CL directly to a DAP.	

☉ : Default setting, *: Note

■ CONFIG OPTION setup items

No.	Name	Selection	Meaning	Remarks
14	Enable Alignment Auto warning	<input checked="" type="radio"/> No Disable. <input type="radio"/> Yes Enable.	Specifying whether or not to enable the portable alignment detection function. * This is the setup item in V7.0.	
15	Enable ConsoleGateway on WebApplication	<input checked="" type="radio"/> No Disable. <input type="radio"/> Yes Enable.	Setting whether or not to enable the ConsoleGateway. * Do not change this setting as it is a preliminary setting. * Select "Yes" when functions operated on the ConsoleGateway are to be used.	
16	Enable DI Warning	<input checked="" type="radio"/> No Disable. <input type="radio"/> Yes Enable.	Specifying whether to enable the DI warning function.	

: Default setting, *: Note

3.9 Configuration Details — 8. CONFIG QC

■ CONFIG QC setup items

No.	Name	Selection	Meaning	Remarks
1	Visible QC Record Delete Button	<input type="radio"/> Yes Displays the button. <input checked="" type="radio"/> No Does not display the button.	Specifying whether or not to show the Delete button on the Image Reader QC history information display window.	
2	Destination Path of QC Record File	<input checked="" type="radio"/> E: \	Specifying a directory for storage of history information on the Image Reader QC history information display window.	
4	Visible MammoQC Record Delete Button	<input checked="" type="radio"/> Yes Displays the button. <input type="radio"/> No Does not display the button.	Specifying whether or not to show the Delete button on the Mammo QC history information display window.	
5	Destination Path of MammoQC Record File	Up to 256 one-byte characters. (<input checked="" type="radio"/> E:\)	Specifying a directory for storage of history information on the Mammo QC history information display window.	
6	Select CSV Output Folder	<input checked="" type="radio"/> 1: UseQCTransferPath <input type="radio"/> 2: Last Folder	Specifying how to determine an equipment unit where history information is to be stored on the Mammo QC history information display window.	
7	X-ray System Name for Mammography QC	Up to 64 one-byte characters. (<input checked="" type="radio"/> Blank)	Setting the name of the X-ray system used for the Mammo QC.	
301	RUQC Save folder 1	Up to 256 one-byte characters. (<input checked="" type="radio"/> C:\Program Files\FujiFilm\QC\RUQC)	Specifying the Save folder 1 of the Image Reader QC.	
302	RUQC Save folder 2	Up to 256 one-byte characters. (<input checked="" type="radio"/> Blank)	Specifying the Save folder 2 of the Image Reader QC.	
303	RUQC Save folder 3	Up to 256 one-byte characters. (<input checked="" type="radio"/> Blank)	Specifying the Save folder 3 of the Image Reader QC.	
304	Mammography QC Save folder 1	Up to 256 one-byte characters. (<input checked="" type="radio"/> C:\Program Files\FujiFilm\QC\MammographyQC)	Specifying the Save folder 1 of the Mammo QC.	
305	Mammography QC Save folder 2	Up to 256 one-byte characters. (<input checked="" type="radio"/> Blank)	Specifying the Save folder 2 of the Mammo QC.	
306	Mammography QC Save folder 3	Up to 256 one-byte characters. (<input checked="" type="radio"/> Blank)	Specifying the Save folder 3 of the Mammo QC.	

⊙ : Default setting, *: Note

3.10 Configuration Details — 99. CONFIG FIX

■ CONFIG FIX setup items

No.	Name	Selection	Meaning	Remarks
1	MaximumDataSize	1 or larger (⊙ 81920)	Threshold of the Image folder usage (MB). * The default setting in V7.0 is "87040".	
2	Restart Check Interval	30-1440 (⊙ 30)	Setting the interval (minute) between the first warning issued after 24-hour operation and the second warning.	
3	Wait time for performed exposure info. from xcon(DR)	1-360 (⊙ 3)	Specifying the timeout period (second) for receipt of the result of exposure.	

⊙ : Default setting, *: Note

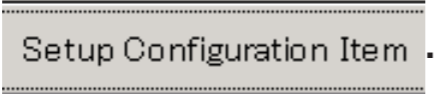
3.11 Setting the Name Elements for DICOM Connection

This appendix explains about the procedure for changing the name element sequence and delimiter.

At some institutions, a patient name is displayed on the monitor by changing the sequence of its elements. For example, the name “Fuji Taro” may be displayed as “Taro Fuji” (with the given name and family name positions interchanged).

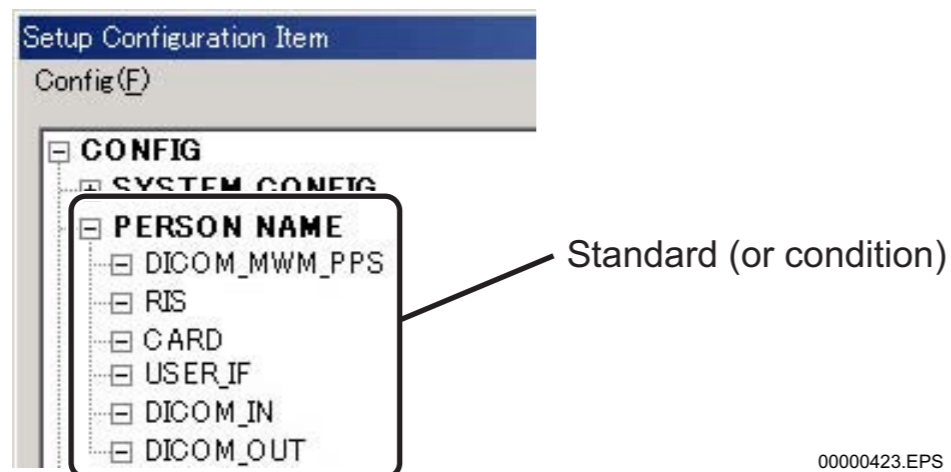
The DICOM protocol stipulates only one sequence of name elements. Therefore, it is necessary to define the relationship between the name element sequence stipulated by standards (or conditions) other than DICOM and the name element sequence stipulated by DICOM.

1. Start the Service Utility of the DR-ID 800CL.

2. Click .

3. Click the  sign within .

4. Select a standard (condition) (e.g., FINP).

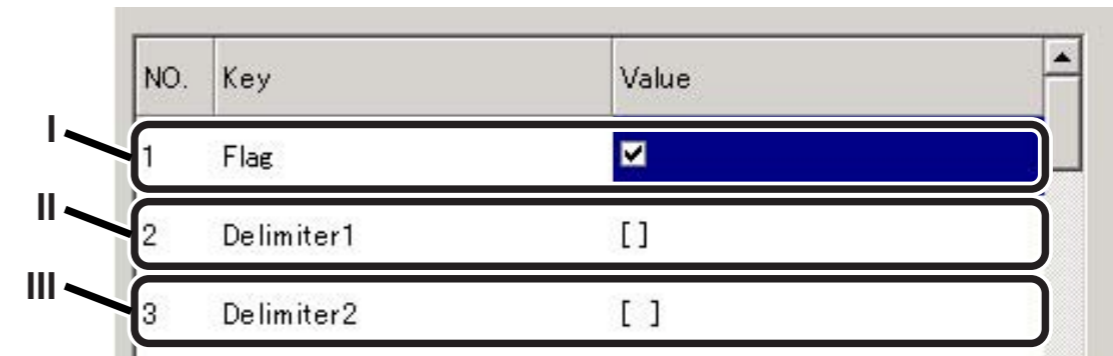


00000423.EPS

► IMPORTANT

Do not change the settings for “DICOM_MWM_PPS”, “DICOM_IN”, or “DICOM_OUT”.

5. Perform the setup steps indicated below:



00000424.EPS

- I. To validate this standard (condition) change, check it (→)
- II. Enter a one-byte character delimiter between name elements.

◆ NOTES ◆

- Any one-byte characters can be used as a delimiter. However, a one-byte space (), hyphen (-), comma (,) or period (.) should normally be used.
- One or two kinds of delimiters can be defined (either can be used as a delimiter). For instance, enter “-,” if you wish to define both of hyphen and comma.
Input example: Element3=given, middle-family

- III. Enter a multi-byte character delimiter between name elements.

◆ NOTES ◆

- Any one- or two-byte characters can be used as a delimiter. However, a two-byte space () or hyphen (-) should normally be used.
- One or two kinds of delimiters can be defined (either can be used as a delimiter). For instance, enter “-” if you wish to define both of two-byte space and hyphen.
Input example: Element3=given – middle family

6. Set up name elements for one-byte characters.

Enter name elements directly on the keyboard. To separate one name element from the other, use a delimiter defined in step 4. above.

4	Element1	family	One name element (family (name))
5	Element2	family^given	Two name elements (family given)
6	Element3	family^given^middle	Three name elements (family given middle)
7	Element4	family^given^middle^prefix	Four name elements (family given middle prefix)
8	Element5	family^given^middle^prefix^suffix	Five name elements (family given middle prefix suffix)

MU000010.ai

7. Set up name elements for multi-byte characters.

Enter name elements directly on the keyboard. To separate one name element from the other, use a delimiter defined in step 5. above.

9	Element1(MultiByte)	family	One name element (family (name))
10	Element2(MultiByte)	family^given	Two name elements (family given)
11	Element3(MultiByte)	family^given^middle	Three name elements (family given middle)
12	Element4(MultiByte)	family^given^middle^prefix	Four name elements (family given middle prefix)
13	Element5(MultiByte)	family^given^middle^prefix^suffix	Five name elements (family given middle prefix suffix)

MU000011.ai

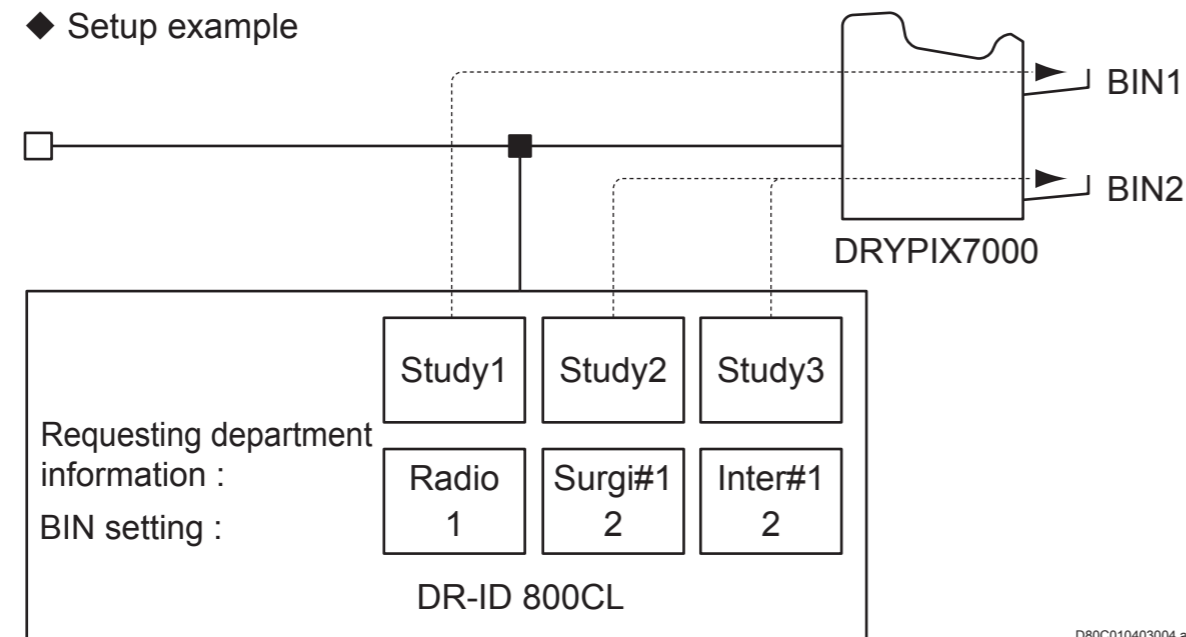
8. Use the “Configuration (F)” menu to save the setup data.

3.12 Setting Up the DICOM Print Film Sorting Function

When a printer targeted for DICOM printout has a multiple number of BIN (sorter), film output is possible to different BINs accordingly depending on the requirement.

In the procedure described herein, the printer targeted for DICOM printout is the “DRYPIX 7000” and the requirement (recognition key) for film output to each BIN is the Requesting Department Information (REQ_SEV), as illustrated below.

◆ Setup example



Described below is the setup procedure.

1. Start up DR-ID 800CL Service Utility mode.
2. Click [Setup Configuration Item].
3. Select **[+ NETWORK CONFIG]** and **[+ ALL OTHER NODES]** from the tree on the left-hand side of the window. Select then the DICOM print AE name (“fujiprinter” - “DICOM” - “DRYPIX 7000”).
→ The AE setup window for the DRYPIX 7000 opens on the right-hand side of the window.
4. Click **Modify**.

→ The “DICOMSetup” window opens. **5.** Make the following selections and entry.

Medium Type: BLUE FILM
 Film Destination: BIN_I
 Mag Type: CUBIC
 Smoothing Type: [empty]
 Recognition Code: REQ_SRV
 DefaultBinNumber: 1
 Requested Image Size: SUPPORTED
 Dmax: 3.0

Film Size ID:
 8IN x 10IN
 10IN x 12IN
 10IN x 14IN
 14IN x 14IN
 14IN x 17IN

10Bits stored support

- I. Select “BIN_I”.
- II. Select a recognition key (e.g.: REQ_SRV). (Indent for REQ_SRV, MPM and BODY_PART.)
- III. Enter a BIN number (e.g.: 1).

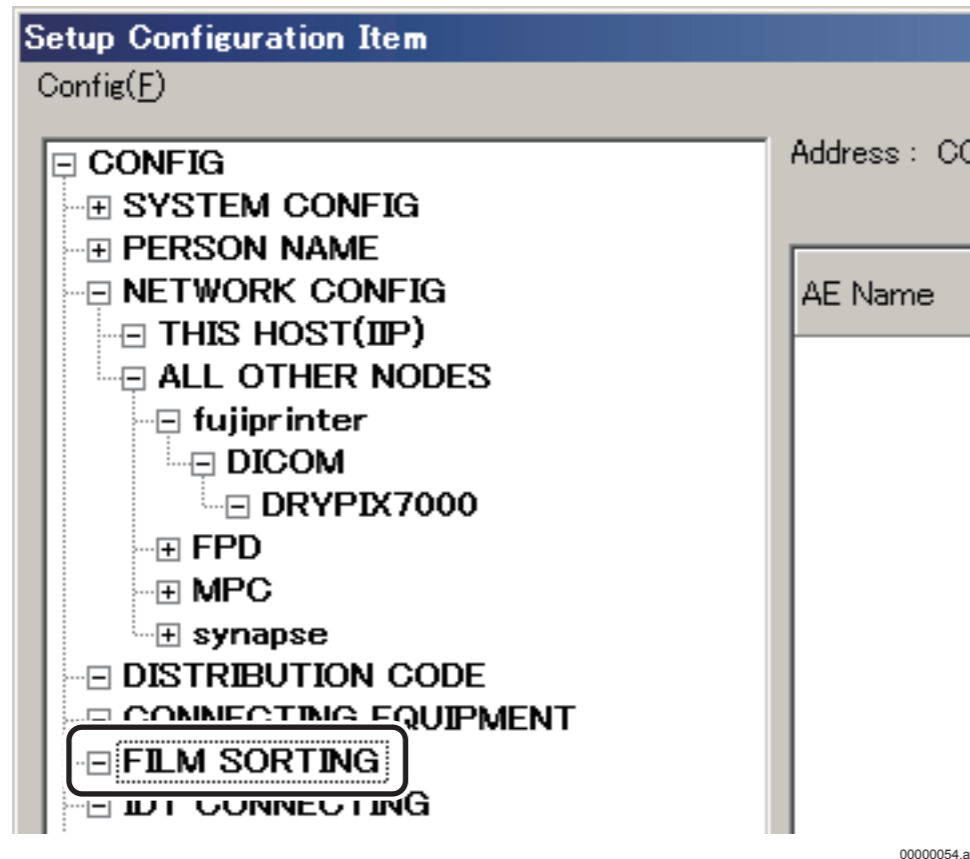
➔ REFERENCE

In the Default Bin Number box, specify the default BIN number to which the film is to be output when an input number verification is not possible.

6. Click **OK**.

→ You are returned to the previous window.

7. Select **FILM SORTING**.

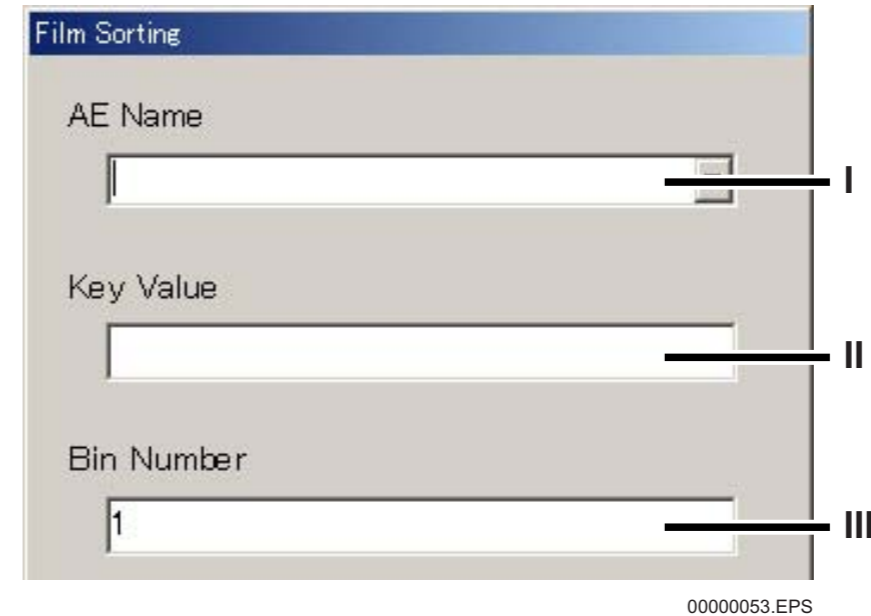


→ The right-hand side of the window changes to the film sorting setup list.

8. Click **New**.

→ The “Film Sorting” window opens.

9. Make the following selections and entries.



- I. Select the AE name.
- II. Enter a verification data item.
When the recognition key specified at step 5. above is “REQ_ SRV*”, enter a requesting department name (e.g.: Radio).
When the recognition key specified at step 5. above is “MPM*”, enter an MPM code (e.g.: 0200).
When the recognition key specified at step 5. above is “BODY_ PART*”, enter an anatomical region (e.g.: CHEST).
(Note that “*” indicates an indent.)
- III. Enter a BIN number.

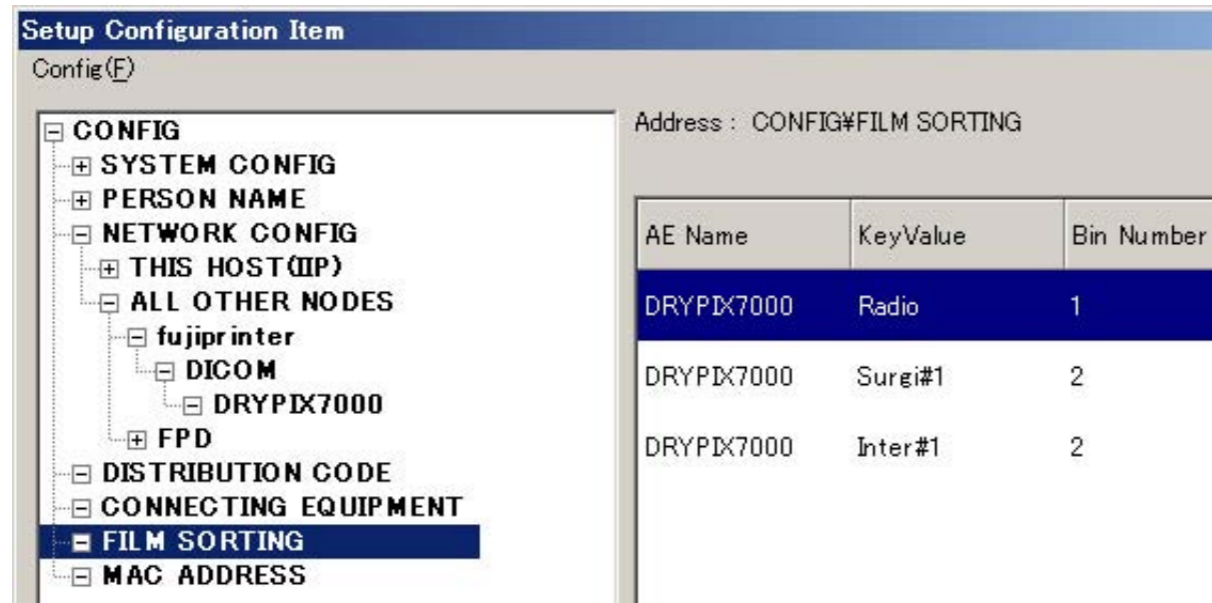
10. Click **OK**.

→ You are returned to the previous window.

11. To set up other verification data items continuously, repeat steps 8. to 10 . above.

12. Use the “Configuration” menu to save the setup data.

The window below shows the results of setup example presented at the beginning of this section.



The screenshot shows a software window titled "Setup Configuration Item" with a sub-header "Config(E)". On the left is a tree view of configuration categories, with "FILM SORTING" selected. On the right, a table displays configuration data for the selected item. The table has three columns: "AE Name", "KeyValue", and "Bin Number".

AE Name	KeyValue	Bin Number
DRYPIX7000	Radio	1
DRYPIX7000	Surgi#1	2
DRYPIX7000	Inter#1	2

0000052.EPS

3.13 MAC Address Manual Input

When the MAC address cannot automatically be acquired, this utility is used to make a manual entry and let the DR-ID 800CL recognize it.

◆ NOTE ◆

If the MAC address is not acquired, the DR-ID 800CL-AP does not start up (Error 20110 or 20111 occurs).

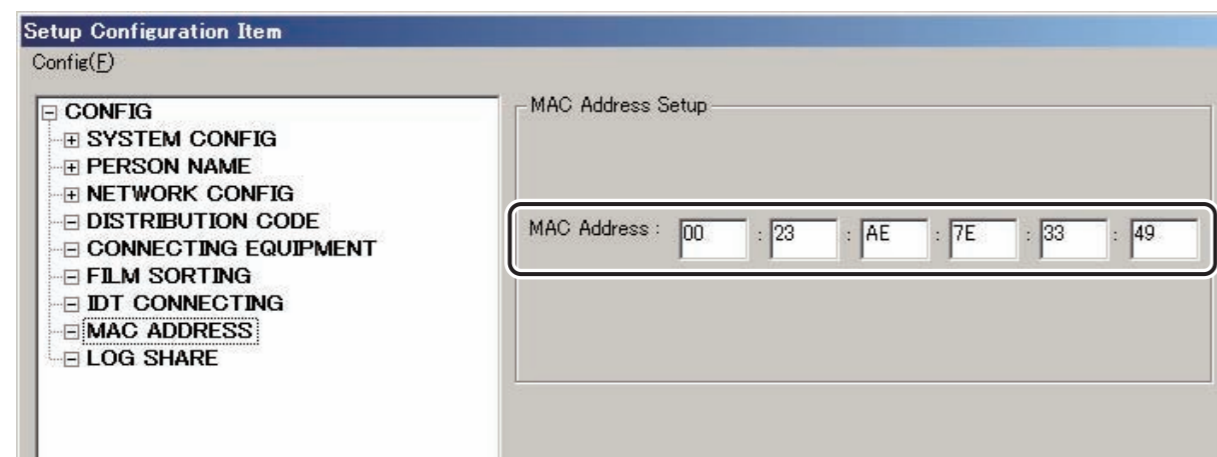
When the following window opens and indicates that the values in the MAC address fields are all 0s, it means that the MAC address is not automatically acquired.

In such an instance, enter a 12-digit value (00:50:DA:C4:D5:8D when only one DR-ID 800CL is used). The next time the DR-ID 800CL starts up, it recognizes the entered value as the MAC address so that the DR-ID 800CL-AP starts running.

If two or more DR-ID 800CLs are used, make the following entries. For each DR-ID 800CL addition, increment the last two-digit value by one (in hexadecimal notation).

- 2nd unit : 00 : 50 : DA : C4 : D5 : 8E
- 3rd unit : 00 : 50 : DA : C4 : D5 : 8F
- 4th unit : 00 : 50 : DA : C4 : D5 : 90

•
•
•



MU000008.ai

3.14 Log Information Sharing Function Setup



Setup of the log information sharing function enables you to use the Retake Analysis function.

◆ **NOTE** ◆

To make use of the Retake Analysis function, the “OpRetakeAnalysis” option key must be installed.

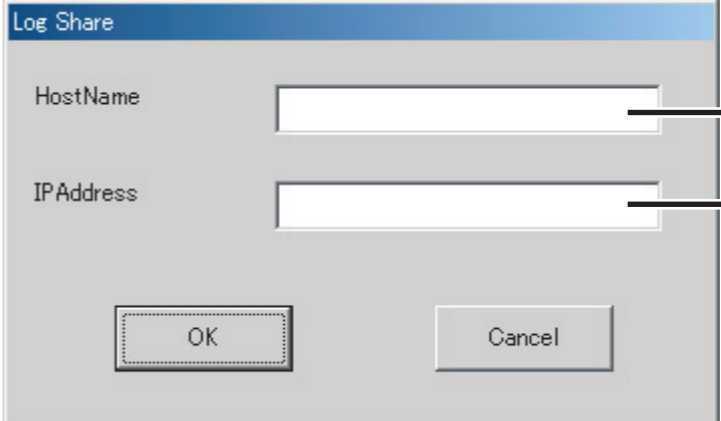
■ New setup

Described below is the procedure used to newly set up host name and IP address of the DR-ID 800CL with which the log information is to be shared.

1. Start up the DR-ID 800CL Service Utility.
2. Click [Setup Configuration Item].
3. Click .
4. Click .

→ The “Log Share” window opens.

5. Enter settings as directed below.




00000565.EPS

- I. Enter the host name.


◆ **NOTE** ◆

Do not use the following characters for a host name.
< > & ' " / \

- II. Enter the IP address.

6. Click .
7. To register other DR-ID 800CLs successively, repeat steps 4 through 6.
8. Use the “Config” menu to save the setup data.

■ Deleting unnecessary settings


1. Start up the DR-ID 800CL Service Utility.
2. Click [Setup Configuration Item].
3. Click .
4. On the pane right of the window, select the name of a DR-ID 800CL to be deleted and then click [Delete].

■ Changing settings

Described below is the procedure used to change host names and IP addresses of other DR-ID 800CLs with which the log information is to be shared.

◆ NOTE ◆

Host name and IP address of this equipment are only to be displayed and cannot be changed.

1. Start up the DR-ID 800CL Service Utility.
2. Click [Setup Configuration Item].
3. Click .
4. Select host name and IP address of the DR-ID 800CL targeted for change.

5. Click .

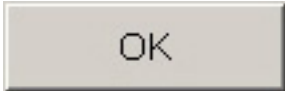
→ The “Log Share” window opens.

6. Change host name and IP address appropriately.

◆ NOTE ◆

Do not use the following characters for a host name.

*< > & ' " / *

7. Click .

8. To change settings of other DR-ID 800CLs successively, repeat steps 4 through 7.

9. Use the “Config” menu to save the setup data.

4. Display Optimization — LUT

Install an LUT file that matches the display characteristics.

➔ REFERENCE

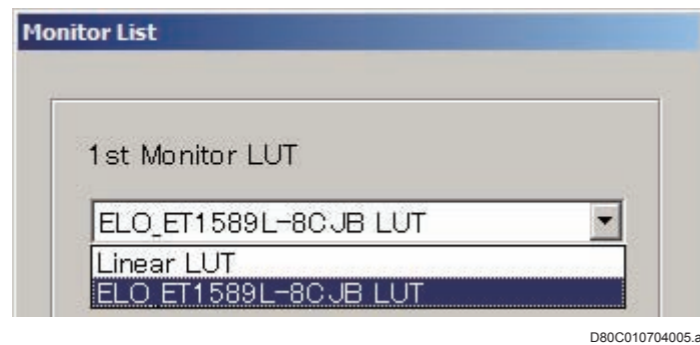
The LUT file is used to adjust luminance values measured on an image displayed on the monitor.

1. Start the DR-ID 800CL Service Utility.

2. Click [LUT].

→ The “Monitor List” window opens.

3. Select “ELO_ET1589L-8C JB LUT” and click .



➔ REFERENCE

You can confirm the kind of the LUT file set in DR-ID 800CL by comparing the update dates and sizes of the following files, and the file contents when the file is opened in the notepad.

- The LUT file set in DR-ID 800CL.
The “PL-r22.env” file in the “C:\Program Files\FujiFilm\IIP\Config\” folder.
- The LUT file settable in DR-ID 800CL.
The env file in the “C:\Program Files\FujiFilm\IIP\Lut\” folder.

→ Settings are thus completed, and the system returns to the “IIP Service Utility” window.

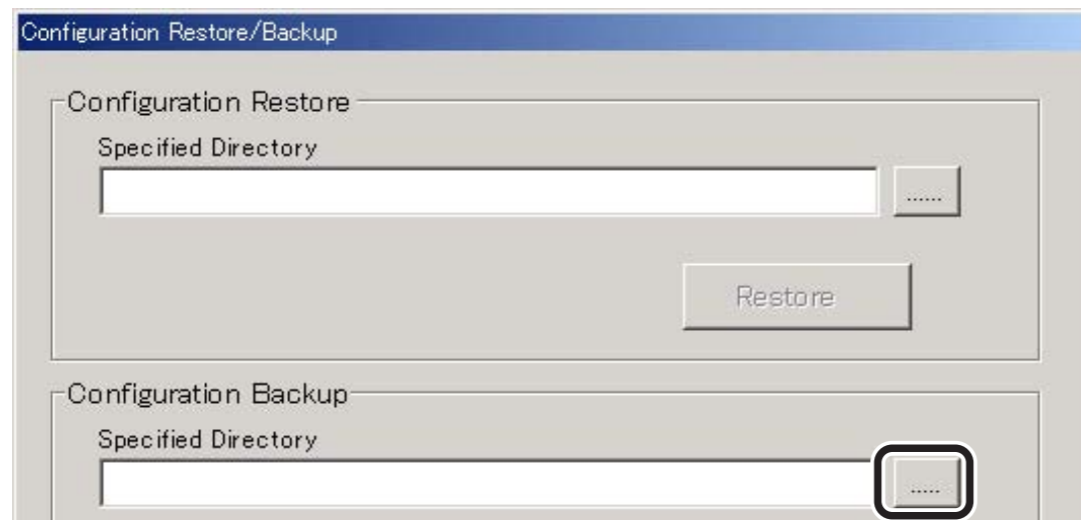
5. Restoring/Backing Up the Configuration File — Configuration Restore/Backup

 For details of procedures used for restoring the configuration file, see “15. Restoring the Config/Network Adapter Settings [Item to be Set at Installation]” under “MC: Inspection, Replacement and Adjustment”.

1. Click [Configuration Restore/Backup] on the main menu.

→ The configuration Restore/Backup window opens.

2. Click [...] for the Configuration Backup area.



00000417.EPS

→ A window opens, prompting you to specify the save destination.

3. Click the downward arrow mark () within



in the “Drive:” box to select the drive onto which the configuration file is to be saved.

→ The “Directory:” box shows the directory structure of the selected drive.

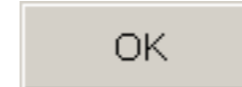
◆ NOTE ◆

Do not select drive “D”.

➔ REFERENCE

If drive “A” is selected, a message appears to prompt for the insertion of an FD.

4. Select a save destination directory and then click






→ The system returns to the Configuration Restore/Backup window.


5. Click .

◆ NOTE ◆

• *If a dialog warning that the files do not exist is displayed at the time of restoration, confirm the file names and click “OK” to close the dialog. Since the contents of the files displayed in the warning dialog are not to be restored, confirm the setting details separately.*

• *Even when the save process ends, no message appears to indicate it. While the save process is being performed, the mouse cursor is replaced by the  mark. When the  mark changes back to the mouse cursor, it means that the save process is ended.*

Note, however, that the  mark appears only when the mouse cursor is positioned within the Configuration Restore/Backup window.

6. Click .

→ The system returns to the main menu.

6. Retrieving EDR Data — Retrieve EDR Backup Data

1. Click [Retrieve EDR Backup Data] on the main menu.

→ A list of EDR data appears.

Image Date	Image Time
2000 . 08 . 28	14 : 30 : 21
2000 . 08 . 28	14 : 32 : 10
2000 . 08 . 28	14 : 32 : 22
2000 . 08 . 28	14 : 32 : 37
2000 . 08 . 28	14 : 33 : 37
2000 . 08 . 28	14 : 34 : 37
2000 . 08 . 28	14 : 37 : 37

EDR data list

00000067.EPS

➔ REFERENCE

*No EDR data appears immediately after installation.
EDR data listings do not appear until images are transferred to the DR-ID 800CL.*

2. Select one or more EDR data.

- When selecting only one piece of EDR data
 - I. Select an EDR data item by clicking it.
 - The selected item becomes highlighted.
- When selecting two or more contiguous EDR data (selecting all data between “I” and “II” in the window illustration below)

Image Date	Image Time
2000 . 08 . 28	14 : 30 : 21
2000 . 08 . 28	14 : 32 : 10
2000 . 08 . 28	14 : 32 : 22
2000 . 08 . 28	14 : 32 : 37
2000 . 08 . 28	14 : 33 : 37
2000 . 08 . 28	14 : 34 : 37
2000 . 08 . 28	14 : 37 : 37

00000068.EPS

- I. Click the first item of a set of contiguous data (“Image Time 14 : 32 : 22” in the above window illustration).
 - The selected item becomes highlighted.
- II. Hold down the “Shift” key and click the last item (“Image Time 14 : 37 : 37” in the above window illustration) of the contiguous data set.
 - All the items from the first to the last become highlighted.

- When selecting two or more noncontiguous EDR data

Retrieve EDR Backup Data	
Image Date	Image Time
2000 . 08 . 28	14 : 30 : 21
2000 . 08 . 28	14 : 32 : 10
2000 . 08 . 28	14 : 32 : 22 — I
2000 . 08 . 28	14 : 32 : 37
2000 . 08 . 28	14 : 33 : 37 — II
2000 . 08 . 28	14 : 34 : 37
2000 . 08 . 28	14 : 37 : 37 — III

00000069.EPS


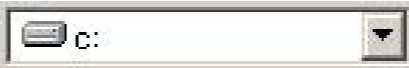
- I. Click the first item to be selected (“Image Time 14 : 32 : 22” in the above window illustration).
→ The selected item becomes highlighted.
- II. Hold down the “Ctrl” key and click the second item to be selected (“Image Time 14 : 33 : 37” in the above window illustration).
→ The second item becomes highlighted as well.
- III. Hold down the “Ctrl” key and click the third item to be selected (“Image Time 14 : 37 : 37” in the above window illustration).
→ The third item becomes highlighted as well.
- IV. To select any additional item, repeat step III.

→ **REFERENCE**

Even if highlighted items are hidden when the window scrolls, they are retained as selected items.

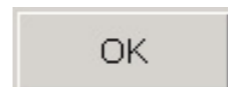
3. Click  .

→ A window opens, prompting you to specify the save destination.

4. Click the downward arrow mark () within  in the “Drive” box to select the drive onto which the EDR data is to be saved.

→ The left-hand area of the window shows the directory structure of the selected drive.

5. Select the save destination directory and then click



→ **REFERENCE**

If drive “a” is selected, a message appears to prompt for the insertion of an FD.

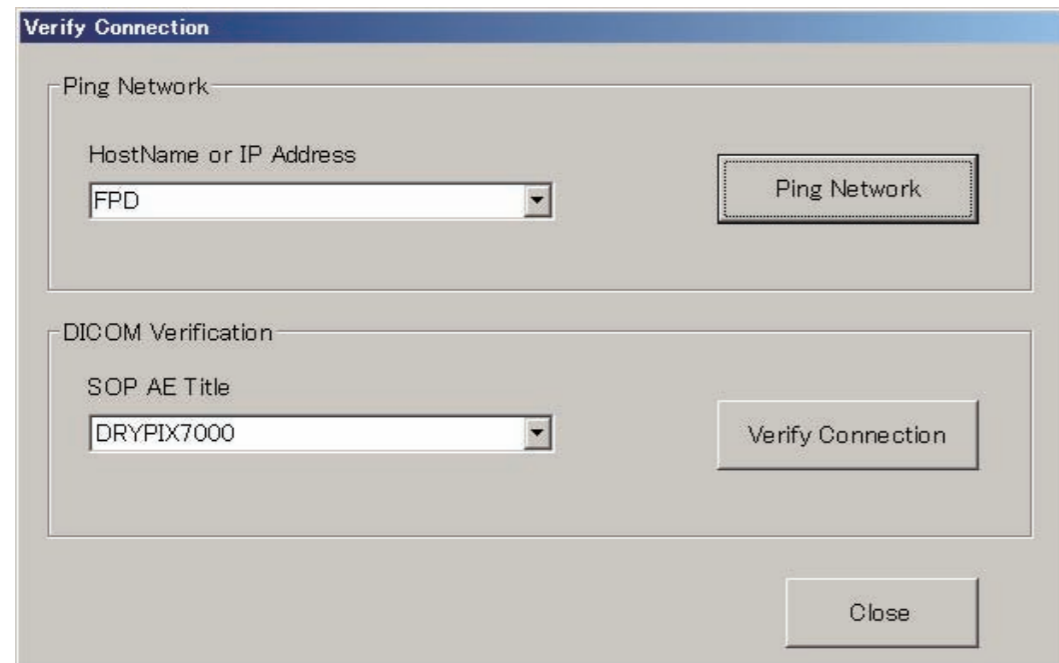
→ When the save process ends, the system returns to the Retrieve EDR Backup Data window.

6. Click  .

→ The system returns to the main menu.

7. Verifying the Connection to Other Connected Equipment — Verify Connection


1. Click [Verify Connection] on the main menu.
→ The “Verify Connection” window opens.



0000070.ai

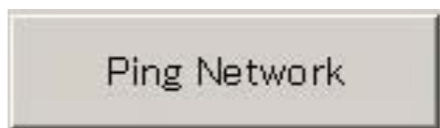
2. Verify the Ping or DICOM connection as directed below:

- Verifying the connection with the Ping

- I. In the  field, enter the host name or IP address of the equipment to be subjected to connection verification.

→ REFERENCE

Clicking the downward arrow mark  within  lists the host names of equipment registered in the Service Utility.

- II. Click .
→ The command prompt window opens.
- III. Verify the connection.
The connection is normal when the following message is displayed four times within the command prompt window.
Reply from 127.0.0.1 : bytes=32 time<1ms TTL=128

→ REFERENCE



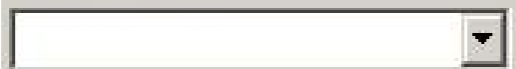
Values for “time<1ms” and “TTL=128” in the message above vary depending on the network status. Connection remains normal even though such values vary.

- IV. Close the command prompt window.
→ The system returns to the “Verify Connection” window.

● Verifying the DICOM equipment connection

◆ **NOTE** ◆

To verify connections between DICOM equipment units, it is necessary that both this equipment and other connected equipment must support Service Class for the Verification function.

- I. Click the downward arrow mark  within  to specify the AE name of  the DICOM equipment to be subjected to connection verification.

- II. Click .

- III. Verify the connection.
When the window below opens, the connection is OK.



00000246.EPS

3. Click .

→ The system returns to the main menu.

8. Print Output Function

Presented herein are the settings necessary for enabling the print output function.

■ Setup necessary when editing the film annotation character format

Describes various setup items for the film annotation character format.

☞ See “3.6 Configuration Details — 4. PRINTER”.

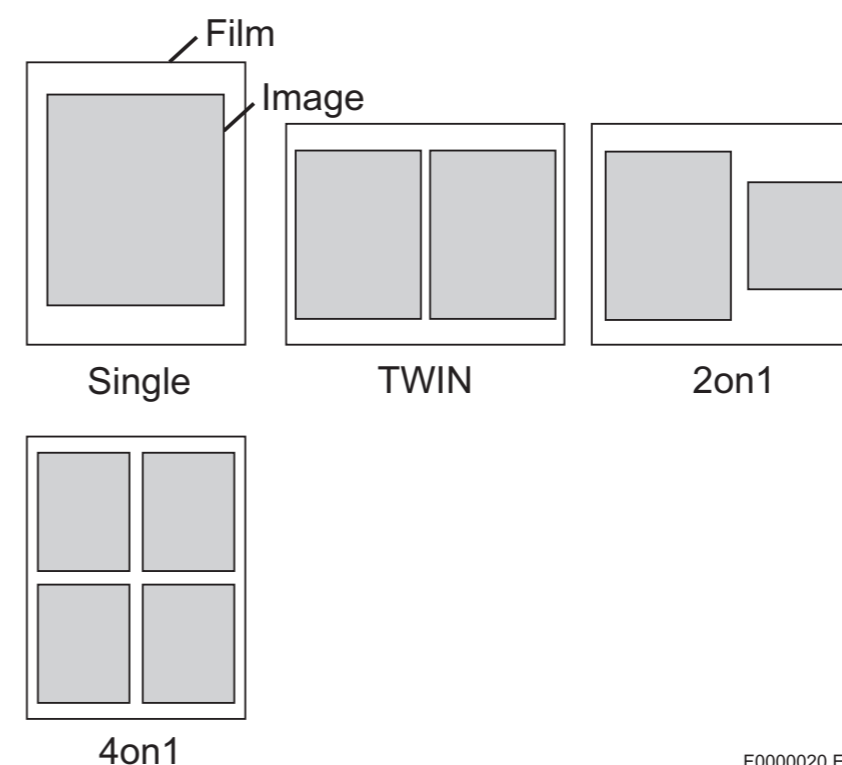
■ Film annotation character setup (direct editing of FilmStrFmt)

Describes the film annotation character setup procedure defined for each FMT No.

☞ See “8.1 Film Annotation Character Setup (Direct Editing of FilmStrFmt)”.

■ Print formats

The DR-ID 800CL supports the following print formats : Single, Twin, 2on1 and 4on1



Single : One image is allotted on film.

Twin : Two same images are allotted on film.
Each of the images are subjected to different image processing.

2on1 : Two different images are allotted on film.

4on1 : Four different images are allotted on film.

➡ REFERENCE

When the image size is larger than the area available for printing an image on film, the image size will be reduced automatically to the area available for image printing.

8.1 Film Annotation Character Setup (Direct Editing of FilmStrFmt)

This section describes the film annotation character setup procedure for FMT numbers, which are indicated under “■ 26×36cm, 35×43cm/14"×17", 8"×10" and 35×35cm/14"×14" film printout patterns [Reference]” in “3.6 Configuration Details — 4. PRINTER”.

Film annotation character setup is performed by directly editing the contents of the FilmStrFmt file.

► IMPORTANT

When directly editing the contents of the FilmStrFmt file, be sure to select “No” as the configuration setting for No. 56 (Enable Auto Edit Function of Film String Format File) in “1. Setup Necessary When Connecting the LP”.

If you directly edit the contents of the file while the setting is left ON, the Service Utility may restore the previous contents of the FilmStrFmt file. Therefore, when editing the FilmStrFmt file, follow the steps indicated below.

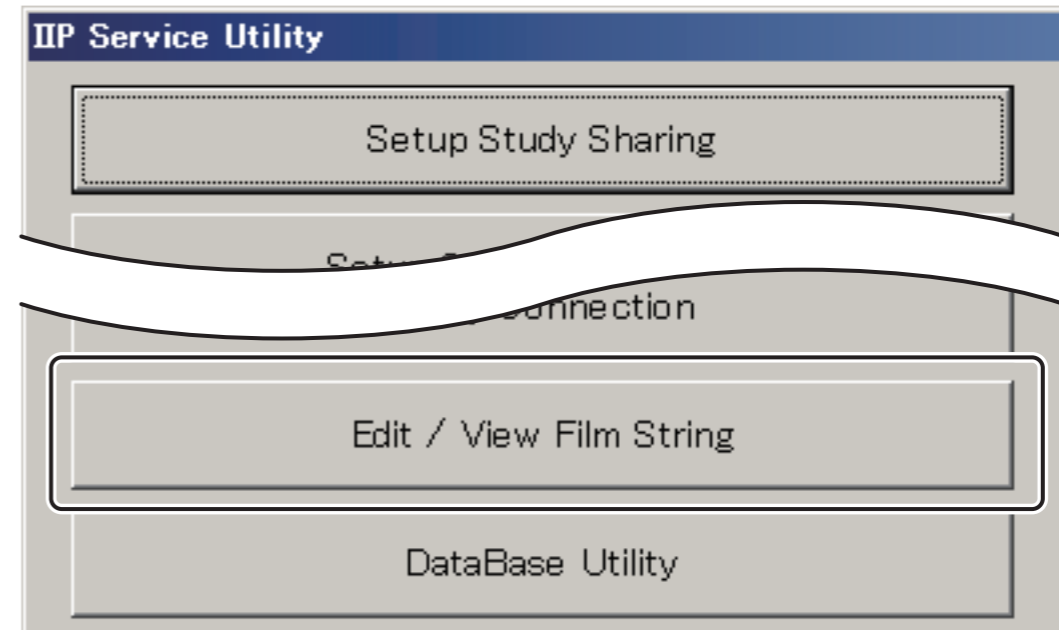
1. If you intend to edit the printer-related configuration settings with the Service Utility, do it first.
2. Complete an editing procedure with the Service Utility (only the configuration settings related to the printer), save the results, and then change the No. 56 setting to “No”.
3. Finally, edit the contents of the FilmStrFmt file.

Once the FilmStrFmt file is directly edited, you should avoid performing setup with the Service Utility.

After the FilmStrFmt file is edited, you should keep a record of the applied changes within the FilmStrFmt file in the form of a comment.

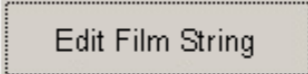
8.1.1 Procedure for Directly Editing the FilmStrFmt File

1. Start the Service Utility mode.
☞ For the Service Utility startup procedure, see “1. Starting/Exiting the Service Utility” in “MU: Maintenance Utility”.
2. Click “Edit/View Film String”.



DXCL040408001.ai

→ The “Edit/View Film String” window opens.

3. Click .

→ Notepad opens.

4. Edit the file in the format described later (“8.1.2 FilmStrFmt File Description Format” and subsequent sections).
5. Save the FilmStrFmt file and then close Notepad (Notepad.exe).

◆ NOTE ◆

- The FilmStrFmt file uses “Unicode” characters. Therefore, be sure to use Notepad and save the edited file in Unicode format.
- If the application software version is upgraded together with the FilmStrFmt file, do not restore the FilmStrFmt file that is backed up on an FD or like media. Locate the new version of FilmStrFmt file that is installed upon a software upgrade and edit it according to the backed up file as needed.

8.1.2 FilmStrFmt File Description Format

Following is the FilmStrFmt file description format.



FR000015 2.EPS

Following are the details of each setting.

- Format name
Describes the name of the format. Do not change the description for the DR-ID 800CL.

➔ **REFERENCE**

The ImageSize.env file stored in the “C:\Program Files\FujiFilm\IIP\Configuration” folder defines which format should be used by an output film.

x_1 for the FMT number (1_2 for FMT1) is a setting for the 20pixel/mm image and x_M is for the mammography format.

- Area size and position
Specify the area size and position between parentheses to the right of the format name, connecting them with each other using an equal sign (=).

X-size, Y-size, position

Item	Description
X-size	Specifying the width of the film annotation character display area (0<X-size<4280pixel)
Y-size	Specifying the height of the film annotation character display area (0<Y-size<4280pixel)
Position	Specifying the position of characters in the film annotation character display area (C: centering, R: right padding, L: left padding)

◆ **NOTE** ◆

When an item other than L is specified in “Position”, the left side of the string might not be displayed depending on the space on the right side of the string.

- Command
Describes the command for setting film annotation character format. Here, command format is similar to a programming language. These commands relate to fonts and character strings.

☞ For details, see “8.1.3 Changing the Film Annotation Characters”.

- Font specifying commands

Font specification	Command
Font type specification	SetFontTypeFace
Font size specification	SetFontSize
Font style specification	SetFontStyle

- Character string specifying commands

Output character string specification	Command
Line spacing specification	LineSpacing
Output format and attribute specification	FilmStrings

■ **Cautions in editing the FilmStrFmt file**

Following are the cautions to observe when editing the FilmStrFmt file.

- “#” at the top of a line indicates a comment line.
- Unnecessary spaces, tabs and line changes will be disregarded.
- Describe commands by the use of “;” between them.

◆ **NOTE** ◆

Because FilmStrFmt is a Unicode-formatted text file, a Unicode-formatted NotePad included in the OS is necessary for file editing.

8.1.3 Changing the Film Annotation Characters

■ Specifying the font type

Use the “SetFontTypeFace” command to specify the font type. This command will be effective from the line describing “SetFontTypeFace” to the line that directly precedes another “SetFontTypeFace” description.

◆ NOTE ◆

Because no default values are available for font type, make sure to specify values for each film annotation character format.

● SetFontTypeFace description format

SetFontTypeFace (“font name”);

Enclose a True-Type font name between quotation marks (“ ”).

Any of the fonts that are available when Windows Vista is installed can be specified.

● SetFontTypeFace description examples

- Specifying MS Gothic

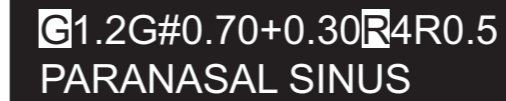
SetFontTypeFace(“MS Gothic”);

- Specifying Times New Roman

SetFontTypeFace(“TimesNewRoman”);

● SetFontTypeFace printout examples

- “Arial” specified



G1.2G#0.70+0.30R4R0.5
PARANASAL SINUS

FR000016.EPS

- “TimesNewRoman” specified



G1.2G#0.70+0.30 R4R0.5
PARANASAL SINUS

FR000017.EPS

■ Specifying the font size

Use the “SetFontSize” command to specify the font size. This command will be effective from the line describing “SetFontSize” to the line that directly precedes another “SetFontSize” description.

◆ NOTE ◆

Specifying “ITALIC” for characters displayed in reverse video can make it look like they are missing in parts. “ITALIC” is thus disabled for reverse-video characters.

● SetFontSize description format

SetFontSize (font size);

Specify a font size using values expressed in terms of pixels.

● SetFontSize description examples

- Specifying the font size to be 20 pixels

SetFontSize(20);

- Specifying the font size to be 40 pixels

SetFontSize(40);

- SetFontSize printout examples

- Font size specified as 20 pixels



JOHN SMITH [M]
02247393 1938.04.08B

FR000018.EPS

- Font size specified as 40 pixels



JOHN SMITH [M]
02247393 1938.04.08B

FR000019.EPS

■ Specifying print format and attributes

Use the “SetFontStyle” command to specify the font style. This command will be effective from the line describing “SetFontStyle” to the line that directly precedes another “SetFontStyle” description.

- SetFontStyle description format

SetFontStyle (font style);
Select either of the following.

- Bold : BOLD
- Italic : ITALIC

When selecting the two font styles at the same time, use “|” to delimit them (ex.: BOLD|ITALIC).

◆ NOTE ◆

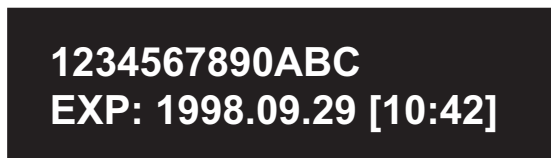
Specifying “ITALIC” for characters displayed in reverse video can make it look like they are missing in parts. “ITALIC” is thus disabled for reverse-video characters.

- SetFontStyle description examples

- Bold specified
SetFontStyle (BOLD);
- Specifying bold and italic at the same time
SetFontStyle (BOLD|ITALIC) ;

- SetFontStyle printout examples


- Bold specified



1234567890ABC
EXP: 1998.09.29 [10:42]

FR000020.EPS

- Bold and italic specified



1234567890ABC
EXP: 1998.09.29 [10:42]

FR000021.EPS

■ Specifying the line spacing

Specify line spacing with the “LineSpacing” command.

- LineSpacing description format

LineSpacing (line spacing);

Use an integer between 1 and 400 (in terms of pixels) to specify line spacing for film annotation characters.

- LineSpacing description examples

- Specifying line spacing of 5 pixels

LineSpacing(5);

- Specifying line spacing of 50 pixels

LineSpacing(50);

- LineSpacing printout examples

- Line spacing of 5 pixels specified



1234567890ABC EXP: 1998.09.29 [10:42]

G1.2G#0.70+0.30R4R0.5

FR000024.EPS

- Line spacing of 50 pixels specified



1234567890ABC EXP: 1998.09.29 [10:42]

G1.2G#0.70+0.30R4R0.5

FR000025.EPS

■ Specifying print format and attributes

Use the “FilmStrings” command to specify character strings.

- FilmStrings description format

FilmStrings(format descriptor1, format descriptor2, ...),(attribute descriptor1),(attribute descriptor2)... ;

- Format descriptor “n”

Specifies the “format descriptor” that shows the format in which character strings are printed out. A maximum of 512 descriptors can be specified. However, the maximum total length of all character strings represented by the format descriptor is 256 characters.

 For details, see “8.1.4 Format Descriptors”.

- Attribute descriptor “n”

Specifies the “attribute descriptor” that shows an attribute to be printed out as a character string. Basically, one attribute descriptor is given per format descriptor. The attribute descriptor is a tag number that represents the attribute to be printed out.

It is not necessary to specify the attribute descriptor when the format descriptor is attribute-specific.

 For details, see “8.1.5 Attribute Descriptors”.

- FilmStrings description examples

- Printing out patient and exposure information

The patient and exposure information indicated below are printed out.

- Patient name : Character string of variable length, up to 20 characters
- Sex : “[+M or F+]”
- Patient ID : Character string of variable length, up to 15 characters
- Date of birth : YYYY.MM.DD + “B”
- Date of examination : Character string of variable length, up to 15 characters
- Date of exposure : “EXP”+ YYYY.MM.DD
- Time of exposure : “[+HH:MM+]”

```
FilmStrings(“”,%*20s,“[“,“%SEX2,”]”),(0010,0010),(0010,0040);
FilmStrings(“”,%*15s,““,“%DATE1,”B”),(0010,0020),(0010,0030);
FilmStrings(“”,%*15s),(0008,0050);
FilmStrings(“EXP:”,%DATE1,“[“,“%TIME1,”]”),
(0008,0020),(0008,0030)
```

- Printing out image processing parameters

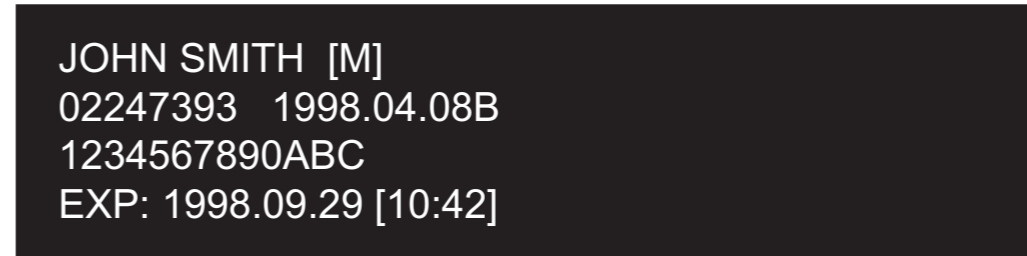
The following image processing parameters are printed out.

- Gradation processing : **G** + GA + GT + “#” + GC + GS parameters
- Frequency processing : **R** + RN + RT + RE parameters
- Latitude (L value) : **L** + latitude
- System sensitivity (S value) : **S** + system sensitivity
- Corrections : **C** + gradation correction + density (gradation and density) correction
- Image magnif./reduc. rate : “SCALE:” + percentage

```
FilmStrings(“”,“$IMG_PROC);
FilmStrings(“”,“$L,$S,$CS_SS,” “,SCALE:”,“$MAG,”%)”);
```

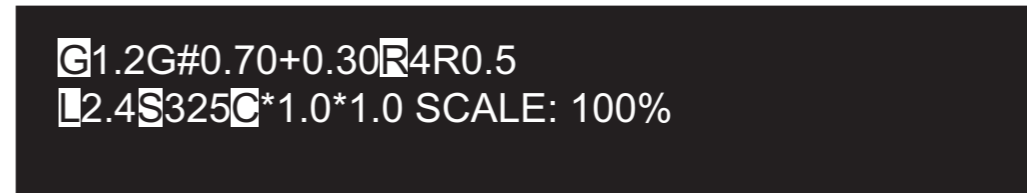
- FilmStrings printout examples

- Patient and exposure information printout



FR000026.EPS

- Image processing parameters printout



FR000027.EPS

8.1.4 Format Descriptors

Described herein are the format descriptor types and content presented in “8.1.3 Changing the Film Annotation Characters ■ Specifying print format and attributes”.

Three format descriptor types are available. The first character of each format descriptor identifies the type.

First character	Descriptor type
\	Character string control descriptor
%	Character string style descriptor
\$	Attribute-specific format descriptor

➔ REFERENCE

The C language command “printf” format-specified method has been adopted basically for the format descriptor that specifies the character string print format.

However, the “printf” method has been expanded to make the following items available.

- *Special print character formats, including characters in reverse video*
- *Some VR-specific patterns, including date format*
- *Information not assigned tag numbers, such as film image magnification/reduction*
- *Handling of a multiple number of attributes in a group (such as image processing parameters)*

Format descriptors not required by the “printf” method have been deleted.

■ Character string control descriptor (\)

Shown below are format descriptors that control character strings.

Descriptor	Meaning
\t	Inserts tabs. Each tab is equivalent to 80 pixels.
\r	Displays the characters that follow in reverse video, which will be effective until “\r” is specified again.

■ Character string style descriptor (%)

This format descriptor indicates that the character string style is composed as follows.

%[flag][width][type]

- [flag]

Shows the information necessary for controlling character string length. Can be omitted. If [flag] has been specified, [width] must also be specified.

Flag description	Meaning
-	Outputs character strings padded from the left. This is effective only when fixed length has been specified using [width]. If it has not, character strings will be output padded from the right.
*	Shows that the character string length specified by [width] consists of a maximum number of characters. If the length of the character string to be output is longer than that specified by [width], it will be output as specified by [width]. If the length of the character string to be output is shorter than that specified by [width], it will be output as it actually is.

Example of description

%*10s

[type] (s=character string data)
 [width]
 [flag] (*=maximum number of characters)
 A value specified by [width]

Example of printout

ABCDEFGHIJ

A character string of a maximum of ten characters

FR000031.EPS

- [width]

Shows the character string length. When "*" has been specified for [flag], this indicates the maximum character string length. When it has not, it indicates the fixed length.

Only when "f" has been specified for [type] the "a.b" style specification will be effective, where "a" indicates the number of digits (of an integer) and "b" the number of decimal places.

In this case, "a" can be omitted. Omitting "a" will not determine the number of digits while determining only the number of decimal places. When "f" has been specified for [type], it will not be possible to omit only "b." Specifying 0 for "b" will cause an error.

Example of description

%*10d

[type] (d=a decimally expressed integer)
 [width]
 Character string length
 [flag] (*=maximum number of characters)

Example of printout

1234567890

An integer of a maximum of ten numbers

Example of description

%*5.1f

[type] (f=decimally expressed floating-point number)
 [width]
 Character string length
 [flag] (*maximum number of characters)

Example of printout

1234.2

A maximum of five integers, one decimally expressed floating-point number

FR000032.EPS

● [type]

Shows the type of character string notation. This cannot be omitted. Two types are available: the standard type supported by C language and a special type added exclusively for film annotation characters.

The standard type uses small letters to annotates character strings and the special type uses large alphanumerics. Numbers cannot be used at the beginning of character strings.

The table below shows character strings annotation types. In the table, attributes other than those listed in the “Attribute VR” column (UN and SQ) cannot be output as film annotation characters.

○ Standard type

Annotation type	Attribute VR	Note
d	OB,OW,SL,SS,UL,US	Outputs binary data in decimal form. Image data and overlay data cannot be selected.
x	AT,OB,OW,SL,SS,UL,US	Outputs binary data in hexadecimal form. Letters will be output in capitals.
f	FL,FD	Outputs binary data in floating-decimal-point form.
s	AE,AS,CS,DS,DT,IS,LO,LT,PN,SH,ST,UI	Outputs character string data. Character strings of a maximum length of 256 characters can be output.

○ Special type

Annotation type	Attribute VR	Note
DATE _n	DA	Outputs various date display patterns in accordance with the values specified by “n.” Patterns are as follows. DATE1 : 1998.12.13 DATE2 : 1998.DEC.13 DATE3 : 12.13.1998 DATE4 : DEC.13.1998 DATE5 : 13.12.1998 DATE6 : 13.DEC.1998 DATE7 : H1.01.13 DATE8 : 平 1.01.13

○ Special type

Annotation type	Attribute VR	Note
TIME _n	TM	Outputs various time display patterns in accordance with the values specified by “n.” This setting is valid only for information for which “Attribute VR” has been set to “TM.” Patterns are as follows. TIME1 : 10:51 TIME2 : 10:51:20 TIME3 : AM 10:51
AGE _n	DA (date of birth only)	Outputs various age display patterns in accordance with the values specified by “n.” This setting is valid only for information on date of birth. Patterns are as follows. AGE1: 25 years, 1 year and 8 months, 1 month and 10 days, 13 days AGE2: 25Y, 1Y8M, 1M10D, 13D Output format will differ with the relevant age, as follows. 0 years to 0 years and 1 month or under : ** days 0 years and 1 month up to 1 year : ** months 1 to 8 years : ** years and ** months 8 years or over : ** years
SEX _n	CS (sex only)	Outputs sex display patterns in accordance with the values specified by “n.” This setting is valid only for information on sex. Patterns are as follows. SEX1: Male, female, (for others, 1 space) SEX2: M, F, O (for others, 1 space)
PN _n	PN	Outputs name display patterns in accordance with the values specified by “n.” This setting is valid only for information with PN specified for VR. Display patterns follow. PN1: For printing kana alongside kanji (ANK characters are printed only when ideographic characters are used.) PN2: Only for use with ideographic characters (Ideographic characters are printed if used. Left blank if not used.) PN3: Only for single-byte characters (Single-byte characters are printed if used. Left blank if not used.) PN4: For display of multi-byte characters (Ideographic characters are printed if used. Single-byte characters are printed if they are not used. Left blank if neither are used.)

■ Attribute-specific format descriptor (\$)

The attribute-specific format descriptor is used for outputting a multiple number of attributes in groups or for outputting information that has not been assigned tag numbers.

The attribute-specific format descriptor requires no attribute descriptors (the tag numbers shown below).

The table below presents attribute-specific format descriptors.

● Table of attribute-specific format descriptors (1/3)

Descriptor	Information displayed	Sample character format	Note
\$IMG_PROC	Image processing parameter	Outputs image processing parameters (G,R,O,D,U,H). Parameter output will depend on the image processing parameter formats described hereafter.	Processing parameters for any processing that is not subjected to in view of processing path will not be output.
\$GAMMA	Gradation processing parameter	G 1.0G#1.6-0.20	–
\$BETA	Frequency processing parameter	R 4R0.5	Parameters will not be output during multi-frequency processing (MFP).
\$1DUSM	1D-USM processing parameter	O 3V1.0	Parameters will not be output if this process is not performed.
\$DRC	DRC processing parameter	D 2A0.8	Parameters will not be output if this process is not performed.
\$MFP	MFP processing parameter	U FA0.8FA0.8	Parameters will not be output if this process is not performed.
\$PEM	PEM processing parameter	P ABC1.5	Parameters will not be output if this process is not performed.

● Table of attribute-specific format descriptors (2/3)

Descriptor	Information displayed	Sample character format	Note
\$FNC	FNC processing identification characters	F	Characters will not be output if this process is not performed.
\$CRF	CRF processing identification characters	C	Characters will not be output if this process is not performed.
\$MOD	Image processing parameter change mark	*	Parameters will be output only when they have been changed.
\$CS_SS	Term of correction	C *1.0/1.5	For both gradation correction and density correction, parameters are output converted to character strings.
\$AP_PA1	Right-and-left reversal mark (1/2)	R	Can be output only when image is reversed.
\$AP_PA2	Right-and-left reversal mark (2/2)	AP (PA)	“PA” will be output when reversed and “AP” when not reversed.
\$MAG_RATE	Image magnif. rate	67	Can be output only when the image size requested has been set.
\$FUNC_PROC	Pair processing information	RT-01 is for image processing type RT. ES 01 02-01 is for an image processing type other than RT.	Image processing type (0019,2F40) Set numbers (0021,2F30) Image numbers in the set (0021,2F40) Pair processing information numbers (0021.2F50)
\$L	L value	L 2.0	–
\$S	S value	S 20000	–

● Table of attribute-specific format descriptors (3/3)

Descriptor	Information displayed	Sample character format	Note
\$IMG_PS	Pixel value	0.10->0.15	Pixel value (0018, 1164) while an image is read, as well as pixel value (used for image processing) while it is printed will be output. "****" will be output when no pixel value information is available.
\$KV	KVP	120KV	–
\$TUB	X-ray Tube Current	320mA	–
\$EXTIM	Exposure Time	16msec	–
\$EXP	Exposure	5mAs	–
\$SID	Distance Source to Detector	1000mm	–
\$AREA	Image Area Dose Product	0.01dGymm ²	–
\$ENT	Entrance Dose	0.002mGy	–
\$TOMOH	Tomo Layer Height	110mm	–
\$TOMOA	Tomo Angle	15°	–
\$TOMOT	Tomo Time	500msec	–

8.1.5 Attribute Descriptors

Described next are the specific types and contents of the attribute descriptors discussed in “8.1.3 Changing the Film Annotation Characters” “■ Specifying print format and attributes”.

The attribute descriptor is information used to specify several kinds of attributes to be printed out as film annotation characters. One attribute descriptor can be described for each format descriptor. The attribute descriptor represents a tag number for the attribute to be printed out.

■ Attribute descriptor description format

Following is the attribute descriptor description format.

(gggg,eeee)

- gggg : Group number. Fixed four digits in hexadecimal form.
- eeee : Element number. Fixed four digits in hexadecimal form.

■ Attribute descriptor description cautions

- Parentheses “()” are required when describing a tag number.
- Use a comma “,” between attributes.
- Use a comma “,” between a group and an element.
- If the specified tag is not available, use one half-size space.
- For the patient’s name, create a character string after delimitation conversion.
- When printing out a kanji character string, remove the ESC sequence and then create the string.
- Handle control characters within LT and ST as spaces.
- For a tag for which VM is 1 or more, only the head information will be printed out. However, information for the character string will be printed out including the “\” that represents delimitation.

■ Attributes that can be printed out using the DR-ID 800CL

Tables below show attributes that can be output using the DR-ID 800CL's DICOM Print function.

- Attributes that can be printed out using the DR-ID 800CL and its attribute descriptors (1/4)

	Attribute	Annotation	Film annotation characters	Format descriptor	Attribute descriptor
1	Hospital (institution) name	kanji	富士フイルム病院	%s	(0009, 2F80)
		ANK	FUJI HOSPITAL	%s	(0008, 0080)
2	EDR mode		A, S, F, M	\$EDR_MODE	(0019, 2F50)
	Menu code		0900	%s	(0018, 1401)
3	Image proc. conditions			\$IMG_PROC	—
	Gradation proc.	γ -identifying characters GA, GT, GC, GS	G .0G#1.6-0.20	\$GAMMA	—
	Frequency proc.	β -identifying characters RN, RT, RE	R 4R0.5	\$BETA	—
	1D-USM	1D-USM identification characters ORN, ORD, ORE	O 3V1.0	\$1DUSM	—
	DRC	DRC identification characters DRN, DRT, DRE	D 2A0.8	\$DRC	—
	MFP	MFP-USM identification characters HRN, HRT, HRE, HDN, HDT, HDE	M FA0.8FA0.8	\$MFP	—
	PEM proc.	PEM proc. parameter characters PRN, α edge, α calc, PRE	P ABC1.5	\$PEM	—
	FNC proc.	FNC proc. identification characters	F	\$FNC	—
	CRF proc.	CRF proc. identification characters	C	\$CRF	—
	Image proc. condition change mark		*	\$MOD	—
4	Exposure menu name	kanji	胸部概観	%s	(0019, 2F32)
		ANK	CHEST GENERAL	%s	(0018, 1400)


- Attributes that can be printed out using the DR-ID 800CL and its attribute descriptors (2/4)

	Attribute	Annotation	Film annotation characters	Format descriptor	Attribute descriptor
5	Normalization conditions + correction term			-	-
	Latitude	Latitude identification character Latitude	L 2.0	\$L	-
	System sensitivity	System sensitivity identification character System sensitivity	S 20000	\$S	-
	Correction term	Correction term identification character, gradation correction, density correction	C *1.0/1.5	\$CS_SS	-
6	Department name	kanji	放射線科	%s	(0009, 2F92)
		ANK	SURGERY1	%s	(0032, 1033)
7	Radiographer code		NT	%s	(0019, 2F60)
	Exposure stand information		100kv10mAs	%s	(0019, 2F91)
8	Patient ID		1010181139	%s	(0010, 0020)
9	Patient name	kanji	富士太郎	%s	(0011, 2F10)
		ANK	FUJI TARO	%s	(0010, 0010)
10	Examination no.	Accession Number	1234567890ABC	%s	(0008, 0050)
11	Date of exposure		撮影日 ... EXP: ..	“撮影日:” “EXP:”	-
		ANSI short format	1998.12.13	%DATE1	(0008, 0020)
		ANSI long format	1998.DEC.13	%DATE2	
		American short format	12.13.1998	%DATE3	
		American long format	DEC.13.1998	%DATE4	
		European short format	13.12.1998	%DATE5	
		European long format	13.DEC.1998	%DATE6	
		Japanese date format	H10.12.13	%DATE7	
Japanese date (kanji) format	平 10.12.13	%DATE8			

- Attributes that can be printed out using the DR-ID 800CL and its attribute descriptors (3/4)

	Attribute	Annotation	Film annotation characters	Format descriptor	Attribute descriptor
12	Sex: kanji	kanji	[男] or [女]	%SEX1	(0010, 0040)
	Sex: ANK	Alphabet	[M] or [F]	%SEX2	(0010, 0040)
13	Age	Y, YM, MD, D		–	–
		kanji	25才, 1才8ヶ月, 1ヶ月10日, 13日	%AGE1	(0010, 1010)
		Alphanumerics	25Y, 1Y8M 1M10D, 13D	%AGE2	
	Date of birth	YYYY.MM.DD生	1989.12.13生	%DATEn, “生”	(0010, 0030)
YYYY.MM.DDB		1989.12.13B	%DATEn, “B”		
14	Pair proc.	Proc. type, pair no. and IL	TM01 02-01	\$FUNC_PROC	
	Routine proc.	Indicates the routine and serial routine processing nos.	RT-01		
15	Time of exposure	Hour and minute	[10:51]	“[“ ,%TIME1, ”]”	(0008, 0030)
16	Film mark	Film annotation characters1	P→A	%s	(0019, 2F90)
17	Magnif./reduc. rate		縮率 : 100%	“縮率 :” \$MAG, “%”	–
			SCALE : 100%	“SCALE:”, \$MAG, “%”	–
18	Patient name (2)	ふりがな	フリガナ	–	–
19	Data compression code		圧縮 : 22	“圧縮 :”, %	(0029, 2F50)
			CC : 22	“CC:”, %s	(0029, 2F50)

- Attributes that can be printed out using the DR-ID 800CL and its attribute descriptors (4/4)

	Attribute	Annotation	Film annotation characters	Format descriptor	Attribute descriptor
20	X-raying conditions, radiation dose	KVP	120kV	\$KV	–
		X-ray Tube Current	320mA	\$TUB	–
		Exposure Time	16msec	\$EXTIM	–
		Exposure	5mAs	\$EXP	–
		Distance Source to Detector	1000mm	\$SID	–
		Image Area Dose Product	0.01dGymm ²	\$AREA	–
		Entrance Dose	0.002mGy	\$ENT	–
		Tomo Layer Height	110mm	\$TOMOH	–
		Tomo Angle	15°	\$TOMOA	–
		Tomo Time	500msec	\$TOMOT	–
21	Right-and-left reversal mark		 AP (PA)	\$AP_PA1 or \$AP_PA2	–
22	Technologist name	kanji	TEC: 富士 太郎	“TEC:” ,%7PN2	(0008, 1070)
		ANK	TEC: FUJI TARO	“TEC:” ,%14PN3	(0008, 1070)
23	Pixel value		0.05->0.10	\$IMG_PS	–
24	DAP		1.00 dGycm	2%s, “dGycm2”	(0018, 115E)

To print out attributes other than those listed above, set the relative tag number of the attribute specified in the Conformance Statement.

 **Conformance Statement**

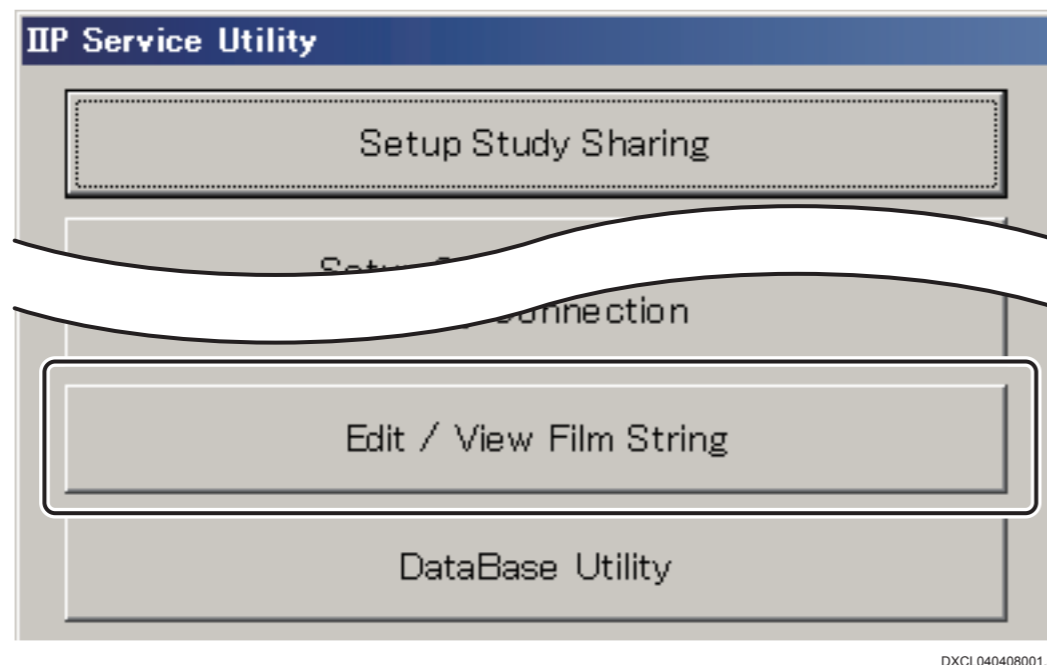
8.1.6 Film Annotation Character Verification Procedure

With the Service Utility, you can verify the FilmStrFmt file editing results. The procedure is described below.

1. Start the Service Utility mode.

 For the Service Utility startup procedure, see “1. Starting/Exiting the Service Utility” in “MU: Maintenance Utility”.

2. Click “Edit/View Film String”.

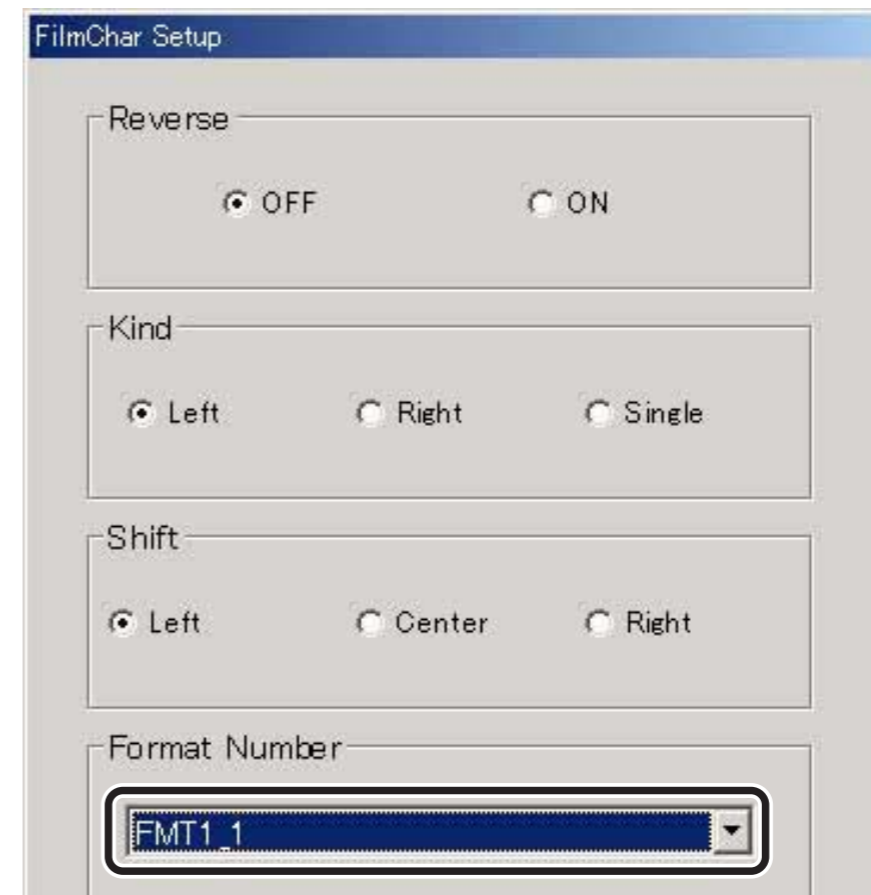


→ The “Edit/View Film String” window opens.

3. Click .

→ The “FilmChar Setup” window opens.

4. From the “Format Number” pull-down menu, choose the name of the film annotation character format you want to verify. Leave the other settings as they are.



5. Click .

→ The “Edit/View Film String” window shows a film annotation character string.

6. To verify the other film annotation character formats, repeat steps 3. through 5.

9. Management of Various Databases — DataBase Utility

This section describes the procedures for initializing the image database, deleting the queued output images (clearing the contents of the image output queue), and initializing the patient database.

9.1 Initializing the Image Database

◆ NOTES ◆

- When the OS is installed newly, be sure to initialize the image database.
- If the SQL Server is not running, database initialization cannot be effected. When the SQL Server is running, restart the PC.
- If the image output queue is not empty, database initialization cannot be effected. Delete the images from the image output queue.

☞ For the procedure for deleting the images from the image output queue, see “9.2 Clearing the Contents of the Image Output Queue”.

1. Start the Service Utility.

☞ For the Service Utility startup procedure, see “1. Starting/Exiting the Service Utility”.

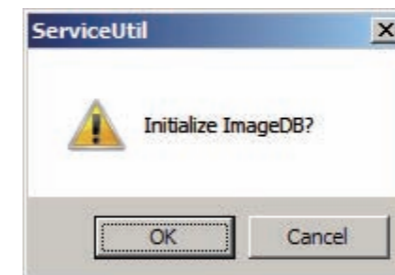
→ The main menu opens.

2. Click [DataBase Utility].

→ The “DataBase Utility” window opens.

3. Click .

→ A confirmation window opens.



MU000018.ai

4. Click .

◆ **NOTE** ◆

When the “Press any key to continue...” message appears, press the <Enter> key.


→ The image database initialization process ends in about 20 seconds and the system returns to the "Database Utility" window.


◆ **NOTES** ◆

When the following message appears, the image database is not initialized.

It failed in initialized DB.

Check that the SQL Server is running and that no image is placed on the image output queue.

- To start the SQL Server
 - I. Restart the PC.
 - II. Select “Control Panel” from the  menu and click “Administrative Tools”.
 - III. Double-click “Computer Management”.
 - IV. Select “Computer Management” – “Service and Application” – “SQL Server configuration Manager” – “SQL Server 2005 Service”.
 - V. Select “SQL Server Services” or “SQL Server 2005 Services”.
 - VI. Confirm that SQL Server (MSSQLSERVER) is running.
- If the image output queue is not empty
 - Delete the images from the image output queue.

 For the procedure for deleting the images from the image output queue, see “9.2. Clearing the Contents of the Image Output Queue”.

5. Click .

→ The system then returns to the main menu.

9.2 Clearing the Contents of the Image Output Queue


1. Start the Service Utility.

 For the Service Utility startup procedure, see “1. Starting/Exiting the Service Utility”.

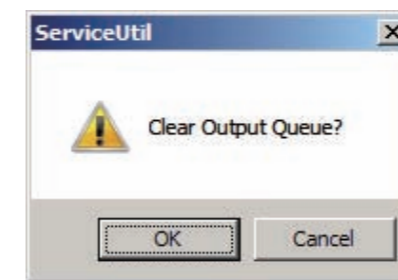
→ The main menu opens.

2. Click [DataBase Utility].

→ The “DataBase Utility” window opens.

3. Click .

→ A confirmation window opens.



4. Click .

◆ **NOTE** ◆

When the “Press any key to continue...” message appears, press the <Enter> key.

→ The images are then deleted from the output queue and you are returned to the “DataBase Utility” window.

5. Click .

→ You are then returned to the main menu.

9.3 Initializing the Patient Database

1. Start the Service Utility.

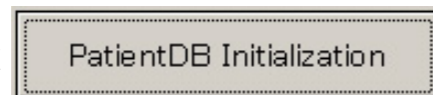
 For the Service Utility startup procedure, see “1. Starting/Exiting the Service Utility”.

→ The main menu opens.

2. Click [DataBase Utility].

→ The “DataBase Utility” window opens.

3. Click



→ A confirmation window opens.



MU000020.ai

4. Click

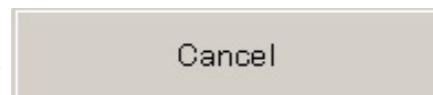


◆ NOTE ◆

When the “Press any key to continue...” message appears, press the <Enter> key.

→ The patient database is then initialized and you are returned to the “DataBase Utility” window.

5. Click



→ You are then returned to the main menu.

10. Setting the Barcode — Barcode Setting

10.1 1D Barcode

This section describes the procedures used for barcode format settings (addition, modification and deletion).

A multiple number of formats can be determined. Data will be processed in the format in which the Barcode Type, Start Character and Stop Character match the first.

◆ NOTE ◆

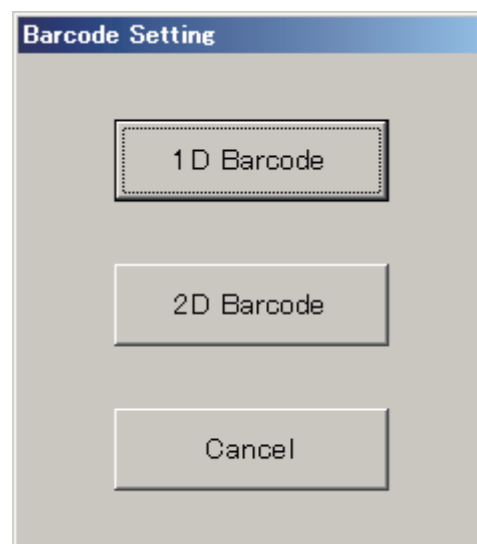
- Note that only one setting will be generated where “Other” is determined for the Barcode Type.
- You must also perform the setting of each barcode reader so they can read the Barcode Type set as Other.

1. Start up the DR-ID 800CL's Service Utility mode.

→ The main menu opens.

2. Click [Barcode Setting].

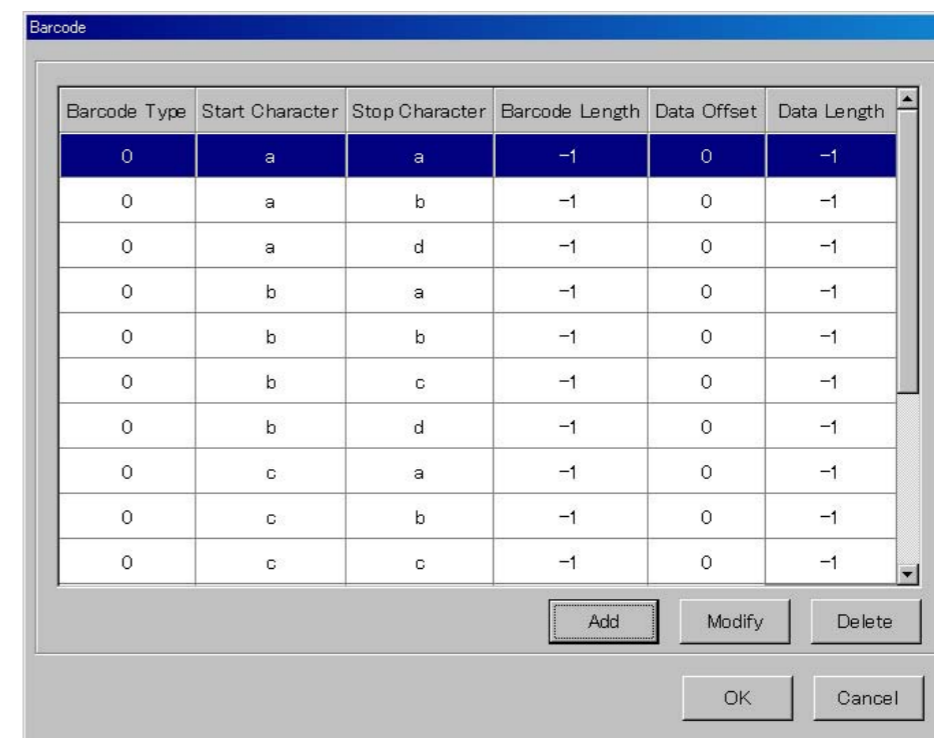
→ The “Barcode Setting” window opens.



DXCL100411001.ai

3. Click [1D Barcode].

→ A format list appears on the “Barcode” window.



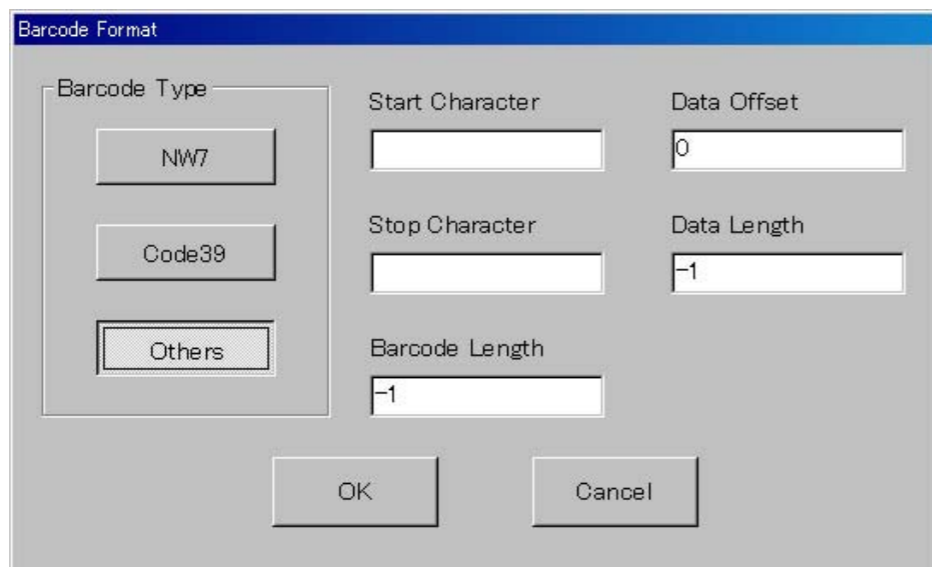
00000560.EPS

- To add/modify a format

1. Operate as follows on the “Barcode” window.

- To add a format, click [Add].
 - To modify a format, select a format for modification from the list and then click “Modify”.
- The “Barcode Format” window opens.

2. Make necessary settings as follows.



00000561.EPS

- Start Character: Start character
“a” to “d” for NW7; Code39 is fixed to “*”.
- Stop Character: Stop character
“a” to “d” for NW7; Code39 is fixed to “*”.
- Barcode Length: Barcode length
Does not include Start Character/Stop Character. -1 represents an indeterminate length.
- Data Offset: Data start position
- Data Length: Data length
-1 shows that a read barcode length is handled as a data length.

◆ **NOTE** ◆

For NW7, it is not allowed to use “a” for Start Character and “c” for Stop Character because those settings represent an IP barcode.

3. Click .

→ You are returned to the “Barcode” window.


4. Click .

→ You are returned to the main menu.

◆ **NOTE** ◆

When any data other than “0” has been set to Data Offset, be sure to specify a Data Length value smaller than “Barcode Length-Data Offset”. If -1 is specified, data may include a stop character or an indeterminate value resulting thus in an error to occur.

- To delete a format

1. In the list on the “Barcode” window, select a format to be deleted, and click .

→ A format thus selected will be deleted.

2. Click .

→ You are returned to the main menu.

10.2 2D Barcode (Applicable only in Japan)

11. Setting the Selectors — Selector Setting

◆ NOTE ◆

Register the Image Detector in [Device Setting] before setting the selectors.

☞ For details on the setup procedures, see “13. Registering the Image Detectors — Device Setting”.

1. Start the DR-ID 800CL Service Utility.
→ The “IIP Service Utility” window opens.
2. Click [Selector Setting].
→ The “Selector Setting” window opens.

3. Perform the following setup steps:

The screenshot shows the 'Selector Setting' dialog box with the following fields and callouts:

- I: Selector tabs (Selector 1 to Selector 12)
- II: Technique Code [-1:Undefined,0-39] (value: 1)
- III: hostName (value: FSC)
- IV: ReaderType (value: FPD-C)
- V: Caption (value: RAD)
- VI: IconType (value: DR)
- VII: Device Name (value: RAD01)
- VIII: Tube Number (value: 1)
- IX: InitialActiveButton (radio button selected)

Buttons: OK, Cancel

D80C010704013.ai

- I. Choose a selector tab.
- II. Set the Technique Code paying attention not to set the same code with other selectors.

◆ **NOTE** ◆

- When connecting with the X-CON, set up in accordance with the X-CON. Set up the exposure menu also in accordance with the X-CON. If the X-ray tube/technique code which has been set to the exposure menu does not exist in the selectors, the selector which has been set as the InitialActiveButton will be set.
- The default value of the Technique Code is “2”.
- When multiple readers have been registered, also register multiple selectors. However, set the Technical Code to a number other than “2”.
- When the Technical Code has been set as a number other than “2”, edit “TechniqueCodeConvertTbl.ini” and specify the Technique Code as “2”.

 For details of setting the Technique Code, see “Appendix I Setting the Technique Code”.

- III. Select a device to be added to the selector (use the host name for selection).
- IV. Choose a Reader Type.
 - CR-Cassette : CR Cassette
 - Velocity U : Velocity upright position
 - Velocity T : Velocity supine position
 - FPD-U : DR built-in upright position
 - FPD-T : DR built-in supine position
 - FPD-C*1 : DR Cassette

*1: ReaderType which can be set to the DR-ID 800CL

- V. Enter the character string (consisting of up to five characters) to be displayed on the selector button.
- VI. Choose the icon to be used.

◆ **NOTE** ◆

Select a file with “_S” at the end of the name, which is a small icon for 0.7M monitor.

- VII. Set the name of the Image Detector.
- VIII. Select the Tube Number.

➔ **REFERENCE**

The tube number can be selected but it is invalid.

- IX. To restore the currently edited selector to the status that prevailed at DR-ID 800CL startup, turn this radio button ON.

◆ **NOTE** ◆

When multiple readers have been configured, repeat I through IX to perform the configuration of selectors.

4. Click .

→ You are then returned to the main menu.

◆ **NOTE** ◆

- If the host name is changed for the equipment whose “ReaderType” is selected as other than “Cassette”, you must select the “hostName” again since the “Shot Ready” icon will be hidden when the host name has been changed.
- If the same technique code is to be set to different selectors, the Technique Code needs to be set by editing the “TechniqueCodeConvertTbl.ini” file.

 For details on the setup procedures, see “Appendix I Setting the Technique Code”.

12. Collecting the Log and Configuration Files — Log/Configuration Files Acquisition Tool

This section describes herein the procedures for copying the DR-ID 800CL's log and configuration files to an HD.

◆ NOTE ◆

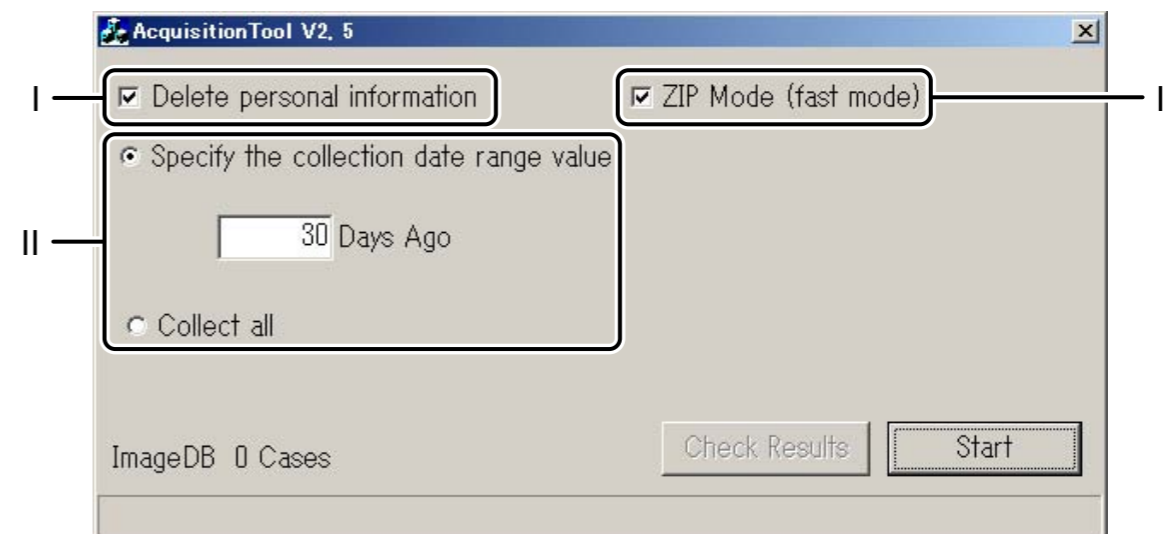
- This function is useful when asking the software design section for error analysis. Collect log files before uninstalling the software. Otherwise log files will be deleted consequently.
- Before actually asking for error analysis, be sure to collect information collection files ((computer name) _NP.cab or (computer name) _N.cab), together with the date when the problem arose and description of the operation that caused such problem to arise.

1. Start the DR-ID 800CL Service Utility.

2. Click [Log/Configuration Files Acquisition Tool].

→ The "Acquisition Tool" window opens.

3. Perform the following steps.



- To delete personal information, checkmark it.
- Select a time range for which logs are to be collected in the file.
 - Specify the collection date range value
Collects log files of a specified time range.
Input a desired time range in .
(Example: If "30" is input in the box, files of the day on which the collection was made and the preceding 30 days are collected.)
 - Collect all
Collects all log files.
- Indicate by checkmark if you are acquiring the log in hi-speed mode. The differences by log acquisition mode are as follows.

Log acquisition mode	Compression format	Log acquisition speed	File size
Normal mode (unchecked)	cab	Approx. 17 minute *	Approx. 17 MB *
High-speed mode (checked)	zip	Approx. 4 minute *	Approx. 40 MB *

* In the case of a log file whose size becomes 300MB after decompression.

⚠ WARNING


When it is necessary to take a file that contains personal data out of an institution so that it is submitted to analysis, be sure to obtain advance approval of the relevant institution.

4. Click .

→ A confirmation window opens.

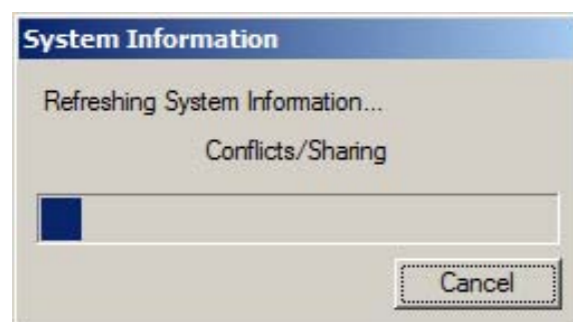
➔ **REFERENCE**

- When “Specify the collection date range value” is selected at step 3 above, the time range thus specified is displayed in the confirmation window that opens.
- When “Collect all” is selected, “All Routine*.inf will be collected” is displayed.

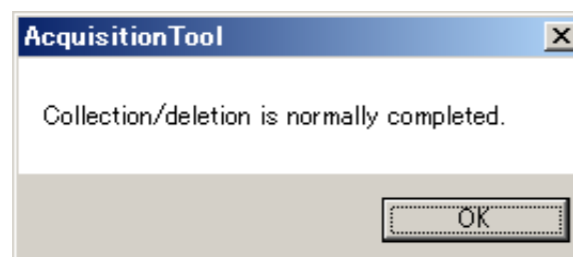
5. Click .

◆ **NOTE** ◆

While files are being collected, the following window is displayed. Do not click [CANCEL] because an error may result.



→ When the file collection processing is complete, a window like that shown below opens.



6. Click .

→ The system returns to the “Acquisition Tool” window.

➔ **REFERENCE**

Checkmarking “Delete personal information” at step 3 above will activate the [Check Results] button.

If the [Check Results] button is clicked, the relevant text file is displayed enabling you to check contents of the collected files. Check contents of the collected files accordingly.

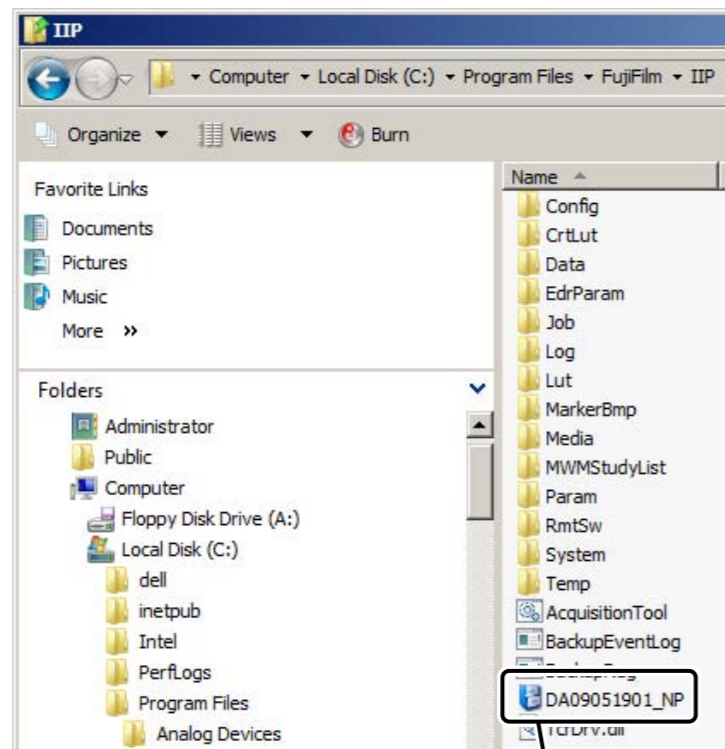
- Image_Collect_NP.txt : A text file from which any personal information was deleted.
- Image_Show_P.txt : A text file from which no personal information was deleted.

7. Click  to close the “Acquisition Tool” window.

8. Copy the collected files onto USB memory or the like.

Files thus collected are stored on “C:\Program Files\FujiFilm\IIP”. Targeted files are the following two:

- (computer name)_NP.cab (zip)
A file from which any personal information was deleted. This file is created when “Delete personal information” was checkmarked at step 3 above.
- (computer name)_P.cab (zip)
A file from which no personal information was deleted. This file is created when “Delete personal information” was not checkmarked at step 3. above.



This filename appears when “Delete personal information” was checkmarked at step 3. above.

DCL41305.ai

➔ REFERENCE

For making the size of the log file acquired in high-speed mode the same as the log file acquired in normal mode, perform the following steps.

- I. Copy the acquired log file (xxxxx_NP.zip) to an arbitrary folder of the service PC, and decompress it.
- II. Copy the following files in the DR-ID 800CL-AP Disk to an arbitrary folder of the service PC.
 - “D:\tools\CABcompress\cab_compress.bat”
 - “D:\tools\CABcompress\CABARC.EXE”
- III. Drag and drop the “MainteInfo” folder created in step I. onto the “cab_compress.bat” copied in step II.
➔ Cab file will be created in the folder where the log was stored.
File name: (computer name).cab

13. Registering the Image Detectors — Device Setting

1. Start the DR-ID 800CL Service Utility.
→ The “IIP Service Utility” window opens.
2. Click [Device Setting].
3. Click [Add].
→ The “Data Type” window opens.
4. Perform the following settings.

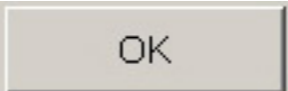
DXCL040415001.ai

- I. Set the name of the Image Detector with 1 to 5 characters without using a same name as other Image Detectors.
- II. Set the ID of the Image Detector with 1 to 16 one-byte alphanumeric characters without using a same ID as other Image Detectors.
- III. Select the device type from the following:
 - BENE0
 - FDR AcSelerate
 - CALNEO U/MT/MB
 - CALNEO-C/FDR D-EVO (DR-ID 601SE/DR-ID 602SE)*¹
 - CALNEO-C SQ/FDR D-EVO plus (DR-ID 611SE/DR-ID 612SE)*¹
 - FDR AcSelerate_CSI
 - CALNEO HC SQ (only in Japan)
 - CALNEO-C mini/D-EVO plus C24 (DR-ID 613SE)*¹

*1 : Device which can be connected to the DR-ID 800CL
- IV. Set the color to identify the device (as needed).
 - Pink
 - Blue
 - Yellow
 - Purple
 - Orange
- V. Set whether or not the DR cassette has X-ray automatic detection function.
 - Yes
 - No

◆ **NOTE** ◆

For DR-ID 800CL, select “No”.

5. Click  .
6. Click [Cancel].
→ The system returns to the main menu.

14. Registering the Network Adapter Settings — Network Adapter Configuration (V7.3 or Later)

It becomes possible to switch the connecting network without closing DR-ID 800CL-AP at arbitrary timing by registering multiple wireless network settings in DR-ID 800CL.

➔ REFERENCE

When using only the wired connection, this setup is not required.

14.1 Registering the Network Adapter Settings

◆ NOTE ◆

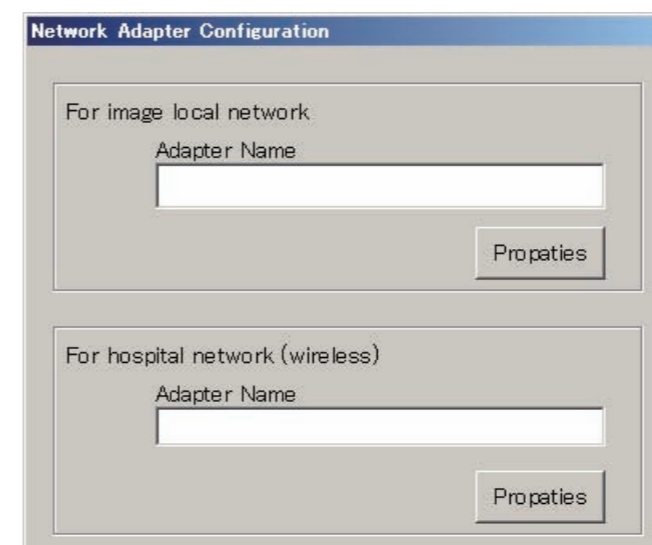
Separately set SSID of each wireless access point at the OS network setting.

1. Start up the DR-ID 800CL Service Utility.

➔ The main menu opens.

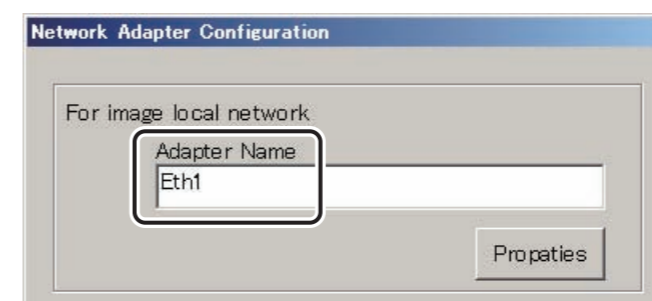
2. Click [Network Adapter Configuration].

➔ The “Network Adapter Configuration” window opens.



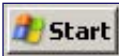
DXCL100417001.ai

3. Enter the network adapter name of the DR-ID 800CL which is connected with the image local network.



DXCL100417002.ai

➔ REFERENCE

The network adapter name of the DR-ID 800CL which is connected with the image local network can be checked by selecting “Control Panel” - “Network and Sharing Center” - “Change Adapter Settings” from the  menu.

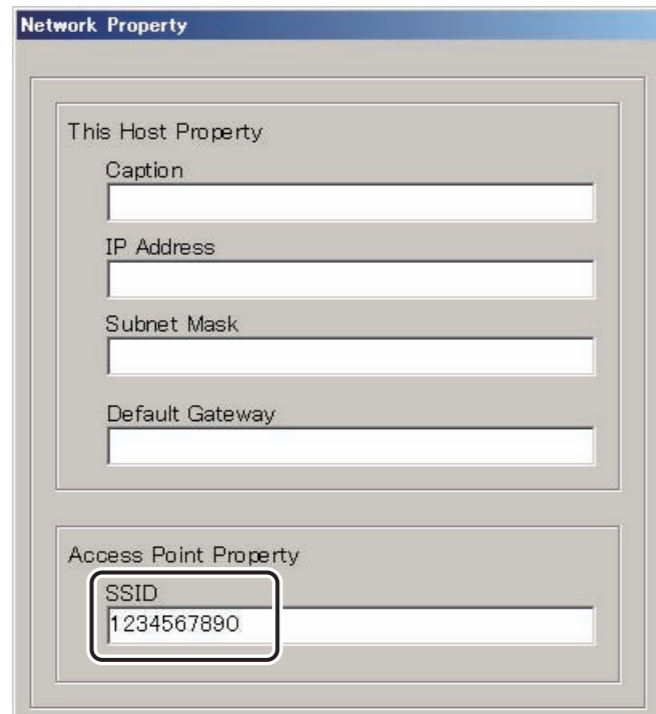
◆ **NOTE** ◆

If wired connection to the image local network, proceed to step 6.

4. Click [Properties] of “For image local network”.

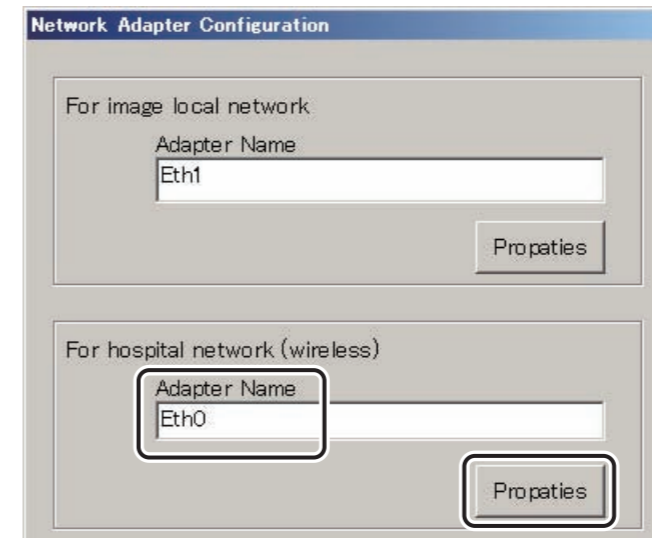
→ The “Network Property” window opens.

5. Enter the SSID of the wireless access point in the image local network, and click [OK].

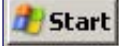


→ The system returns to the “Network Adapter Configuration” window.

6. Enter the network adapter name of the DR-ID 800CL which is connected with the in-hospital network, and click [Properties].

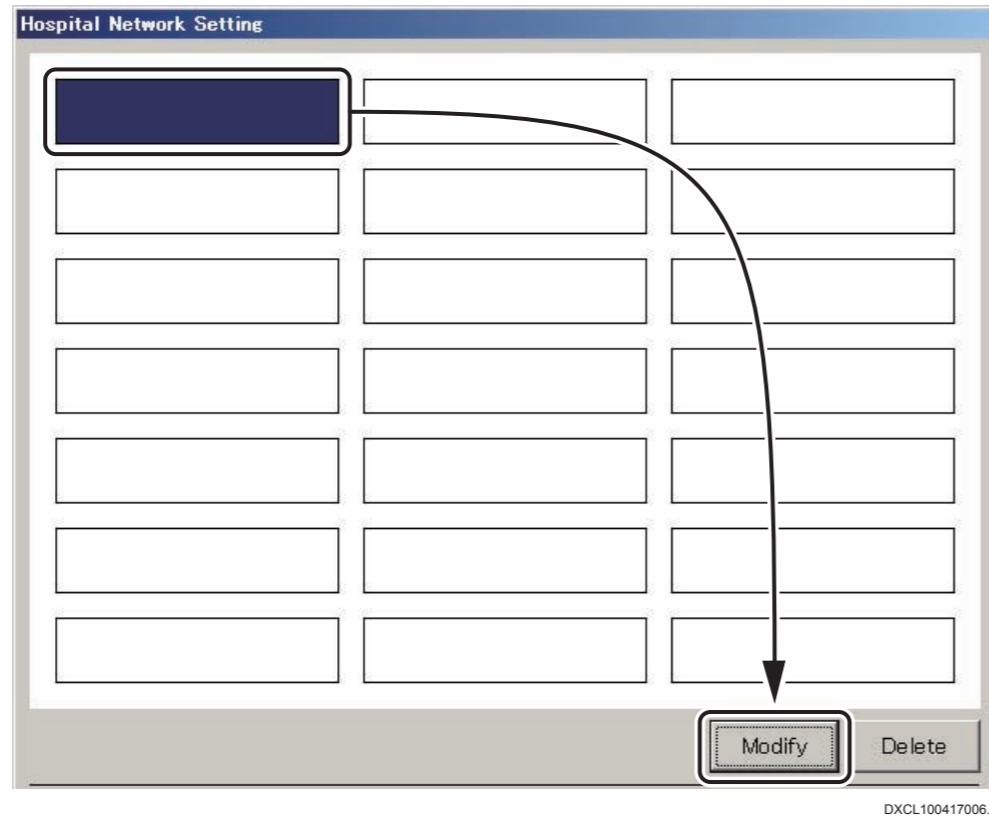


➔ **REFERENCE**

The network adapter name of the DR-ID 800CL which is connected with the in-hospital network can be checked by selecting “Control Panel” - “Network and Sharing Center” - “Change Adapter Settings” from the  menu.

→ The “Hospital Network Setting” window opens.

7. Select an arbitrary item, and click [Modify].

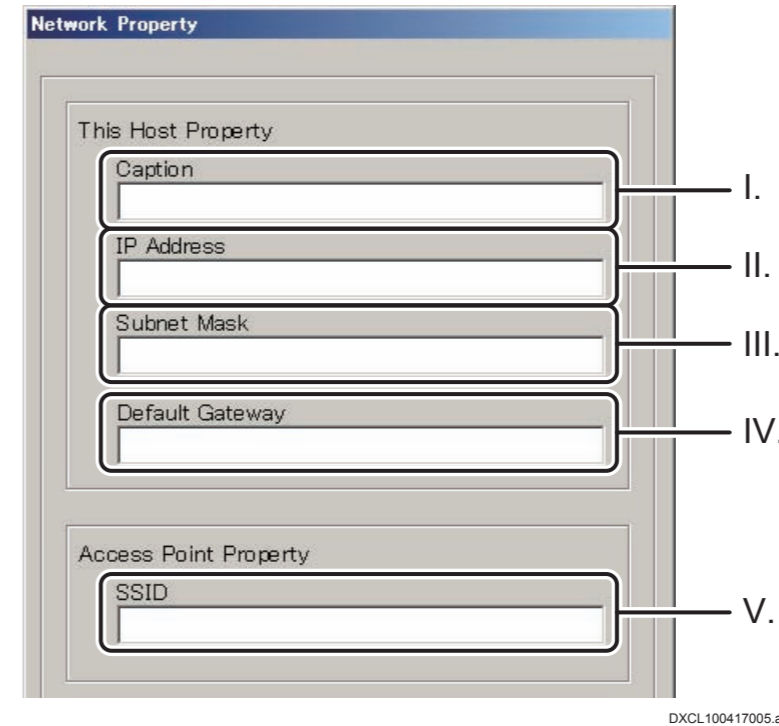


→ The “Network Property” window opens.

➔ REFERENCE

- The item without a menu name is an item which has not been set yet.
- The positions of the 3x7 menus on the display are corresponding with the positions of the network menus on the screen of the list of in-hospital networks of DR-ID 800CL.

8. Enter the following items.



No.	Items	Descriptions
I.	Caption	Enter the caption to display on the menu. * Set a name which can be identified easily. Example: Floor name (1F/2F) * Name the network setting before transfer (before switching the network segment) a simple name such as “Home.”
II.	IP Address	Enter the network adapter IP address which is wirelessly connected with the in-hospital network. * If it is blank, setting will not be saved.
III.	Subnet Mask	Enter the network adapter subnet mask which is wirelessly connected with the in-hospital network. * If it is blank, setting will not be saved.
IV.	Default Gateway	Enter the network adapter default gateway which is wirelessly connected with the in-hospital network. * Can be leaved unspecified.
V.	SSID	Enter the AP’s SSID which is wirelessly connected with the in-hospital network. * If it is blank, setting will not be saved.

9. Click [OK].

→ The system returns to the “Hospital Network Setting” window.

10. Click [OK].

→ The system returns to the “Network Adapter Configuration” window.

11. Click [OK].

→ The system returns to the main menu.

14.2 Backing up the Network Adapter Settings

The backup for copying the network adapter settings to the other DR-ID 800CL. The procedure for creating the backup is described below.

➔ REFERENCE

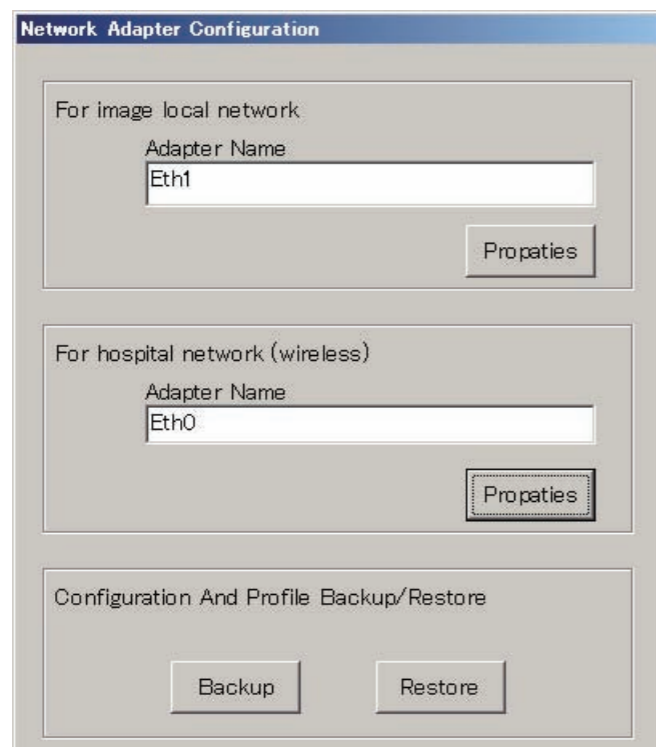
The backup file created here can be used as the backup of the settings of this equipment.

1. Start up the DR-ID 800CL Service Utility.

➔ The main menu opens.

2. Click [Network Adapter Configuration].

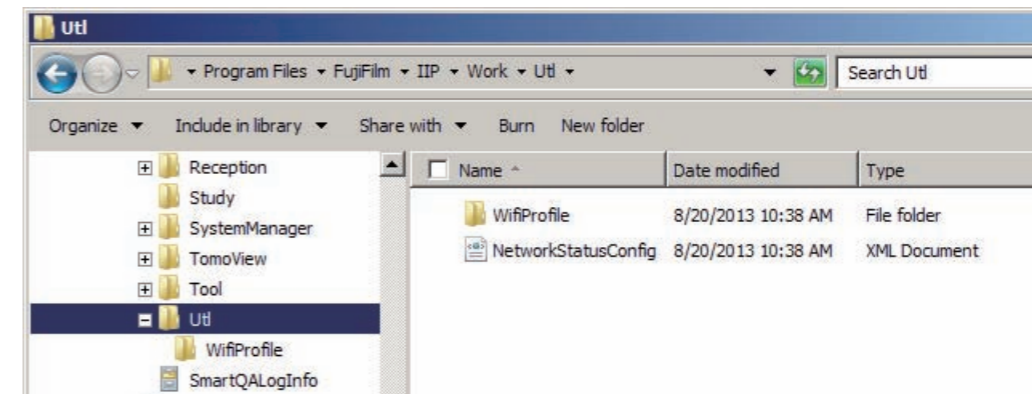
➔ The “Network Adapter Configuration” window opens.



DXCL100417007.ai

3. Click [Backup].

➔ The “Utl” folder where the backup files are stored is created in the “C:\Program Files\FujiFilm\IIP\Work” folder.



DXCL100417008.ai

➔ REFERENCE

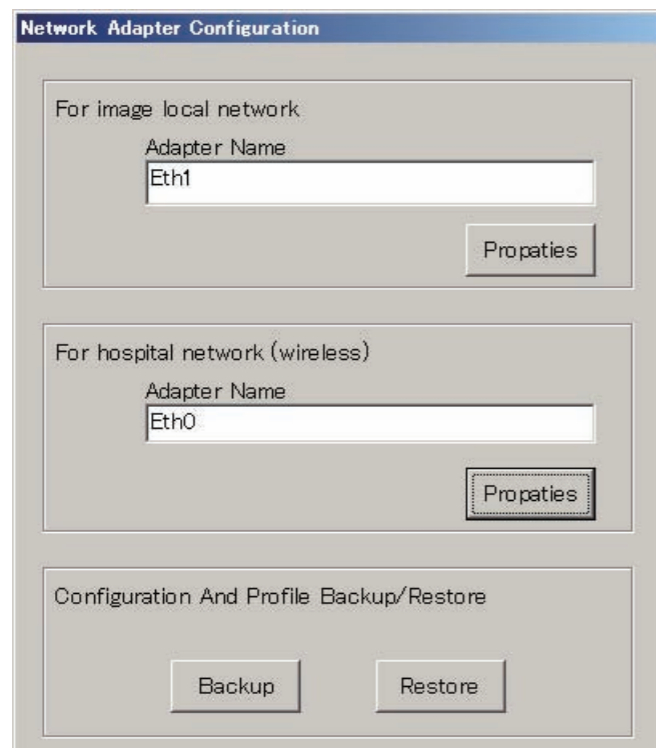
The backup files stored in the “Utl” folder are as follows.

Backed up files	Descriptions
<i>NetworkStatusConfig.xml</i>	<i>The XML file containing the registration information of the network adapter settings</i>
<i>[SSID].profile</i>	<i>A file of wireless LAN profile information. Stored in the “WifiProfile” folder in the “Utl” folder.</i>

4. Copy the “Utl” folder to any arbitrary media.

14.3 Restoring the Network Adapter Settings

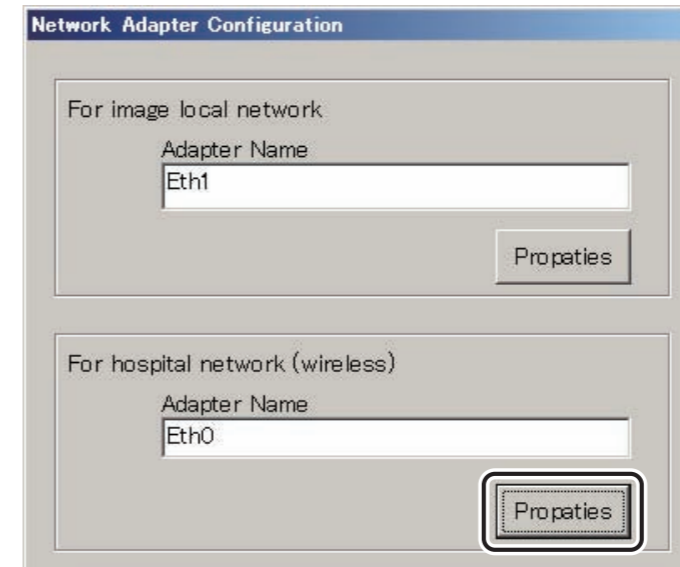
1. Copy the “NetworkStatusConfig.xml” file and “WifiProfile” folder in the “Utl” folder of the restore-destination DR-ID 800CL which has been backed up to the “C:\Program Files\FujiFilm\IIP\Config” folder.
2. Start up the DR-ID 800CL Service Utility.
→ The main menu opens.
3. Click [Network Adapter Configuration].
→ The “Network Adapter Configuration” window opens.



➔ REFERENCE

At this point, the network adapter settings in the backup file are imported and the network adapter name is displayed.

4. Click [Properties].



→ The “Hospital Network Setting” window opens.

5. Edit each network setting according to the environment of the restore-destination DR-ID 800CL, and click [OK].
→ The system returns to the “Network Adapter Configuration” window.

◆ NOTE ◆

Set different IP addresses for the DR-ID 800CL which is a backup source and the DR-ID 800CL which is a restore destination. If the same network settings have been selected for both DR-ID 800CL, an IP address conflict may occur.

6. Click [Restore].

→ The wireless LAN profile information that has been set on the OS side of the DR-ID 800CL which is a backup source is imported (added).

◆ NOTE ◆

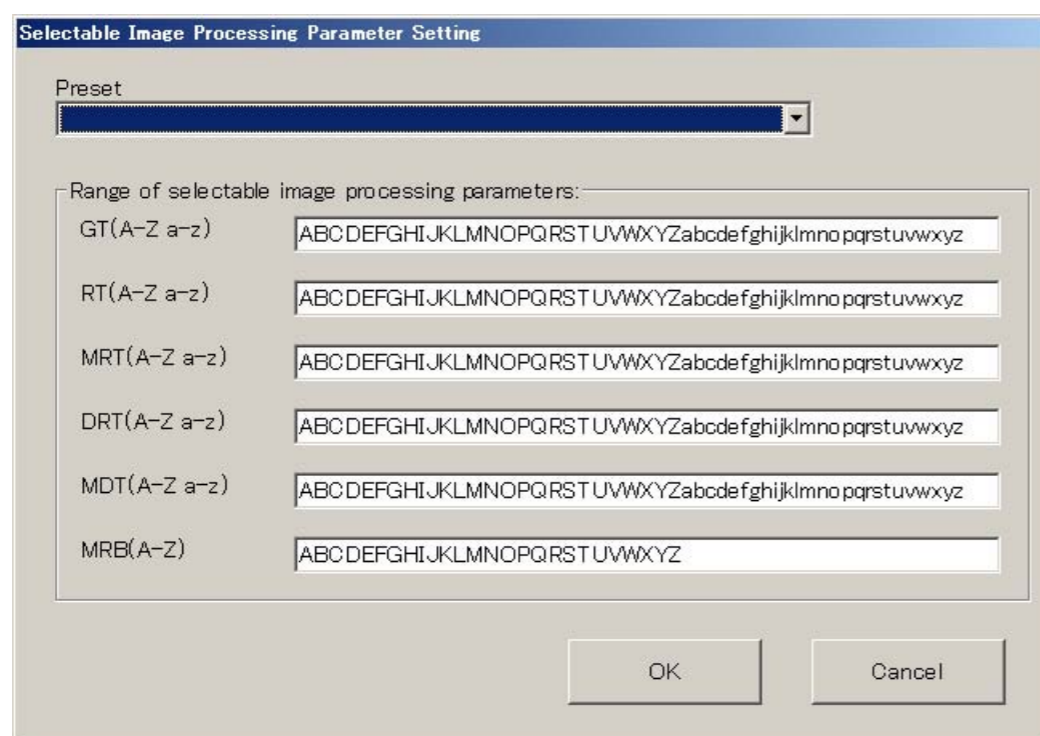
- *If restore fails, the name of the network adapter of the backup-source DR-ID 800CL which is wirelessly connected to the in-hospital network may be inconsistent with that of the restore-destination DR-ID 800CL. Check the network adapter name of the restore-destination DR-ID 800CL.*
 - *If you entered a new SSID at step 5, also register the new SSID at the OS network setting.*
-

7. Click [OK].

→ The system returns to the main menu.

15. Setting the Available Parameter — Selectable Image Processing Parameter Setting (V7.3 or Later)

1. Start the DR-ID 800CL Service Utility.
→ The “IIP Service Utility” window opens.
2. Click [Selectable Image Processing Parameter Setting].
→ The “Selectable Image Processing Parameter Setting” window opens.



DXCL080416001.ai

3. Select an arbitrary preset from the “Preset” field. The selectable presets and the available range of each parameter are as follows.

Preset contents	Choices of “Preset”	Range of each parameter in “Range of selectable image processing parameters:”	
Default setting	Blank	GT	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
		RT	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
		MRT	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
		DRT	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
		MDT	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
		MRB	ABCDEFGH
All parameters	All parameters	GT	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
		RT	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
		MRT	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
		DRT	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
		MDT	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
		MRB	ABCDEFGHIJKLMNOPQRSTUVWXYZ
New and conventional image processing which do not support enhanced gradation (W gradation)	New/Conventional image proc. (Not Enhanced(W) gradation)	GT	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
		RT	FPQRSTUVWXYZfpqrstuvwxyz
		MRT	FPQRSTUVWXYZfpqrstuvwxyz
		DRT	ABCDEFGHIJKLMNQRSTabcdefghijklmnopqr
		MDT	ABCDEFGHIJKLMNQRSTabcdefghijklmnopqr
		MRB	ABCDEFGH
New and conventional image processing which support enhanced gradation (W gradation)	New/Conventional image proc. & Enhanced(W) gradation	GT	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
		RT	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
		MRT	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
		DRT	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
		MDT	ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
		MRB	ABCDEFGH
Conventional image processing which do not support enhanced gradation (W gradation)	Conventional image proc. (Not support Enhanced(W) gradation)	GT	ABCDEFGHIJKLMNOPQRSTUVWXYZ
		RT	FPQRSTUVWXYZ
		MRT	FPQRSTUVWXYZ
		DRT	ABCDEFGHIJKLMNQRST
		MDT	ABCDEFGHIJKLMNQRST
		MRB	ABCDEFGH

Preset contents	Choices of "Preset"	Range of each parameter in "Range of selectable image processing parameters:"	
Conventional image processing which support enhanced gradation (W gradation)	Conventional image proc. & Enhanced(W) gradation	GT	ABCDEFGHIJKLMNOPQRSTUVWXYZ
		RT	ABCDEFGHIJKLMNOPQRSTUVWXYZ
		MRT	ABCDEFGHIJKLMNOPQRSTUVWXYZ
		DRT	ABCDEFGHIJKLMNOPQRSTUVWXYZ
		MDT	ABCDEFGHIJKLMNOPQRSTUVWXYZ
		MRB	ABCDEFGH
New image processing which do not support enhanced gradation (W gradation)	New image proc. (Not support Enhanced(W) gradation)	GT	abcdefghijklmnopqrstuvwxy
		RT	fpqrstuvwxyz
		MRT	fpqrstuvwxyz
		DRT	abcdefghijklmnopqrst
		MDT	abcdefghijklmnopqrst
		MRB	ABCDEFGH
New image processing which support enhanced gradation (W gradation)	New image proc. & Enhanced(W) gradation	GT	abcdefghijklmnopqrstuvwxy
		RT	abcdefghijklmnopqrstuvwxy
		MRT	abcdefghijklmnopqrstuvwxy
		DRT	abcdefghijklmnopqrstuvwxy
		MDT	abcdefghijklmnopqrstuvwxy
		MRB	ABCDEFGH

4. Edit the range of each parameter in "Range of selectable image processing parameters:" as necessary.

5. Click [OK].

◆ **NOTE** ◆

After clicking [OK], the following contents are adjusted automatically and the user is notified.

- *Sequence of characters*
Registered strings are sorted in ascending order of ASCII codes.
- *Duplicated characters*
When the same characters are included, those characters are combined into one character.
- *Characters other than alphabets*
When characters other than alphabets are included, the save is not performed and the user is notified of the existence of illegal characters. Moreover, spaces inside the strings are treated as illegal characters. However, spaces in front and after the strings are deleted automatically and not treated as illegal characters.

→ Settings are saved, and the system returns to the main menu.

16. DR Console Setup Tool

This section describes the “DR Console Setup Tool” commands and the relevant setup procedures.

16.1 Setup for Addition of Descriptive Characters to Icons [Applicable only in Japan]

16.2 Setting the Grid Pattern Removal Processing

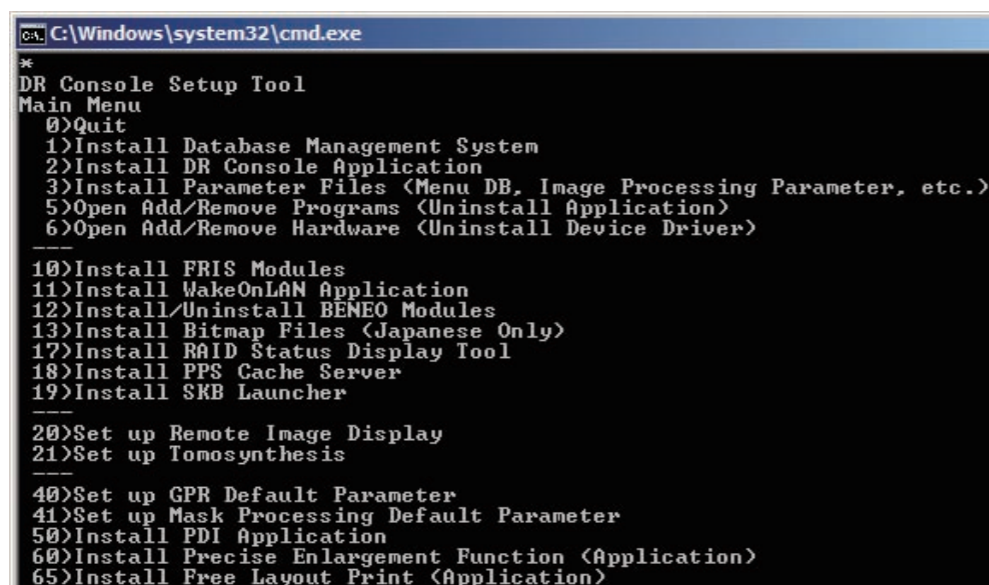
Described below is the procedure used to perform settings necessary for activating the grid pattern removal processing, using the “DR Console Setup Tool” menu included in the DR-ID 800CL-AP Disk.

1. Insert the DR-ID 800CL-AP Disk into the PC.

→ The “DR Console Setup Tool” main menu opens automatically.

◆ NOTE ◆

- In case the main menu start window does not open automatically, double-click the execution file (Setup.bat) in the Disk.
- The items displayed in the “DR Console Setup Tool” vary with the versions of DR-ID 800CL.

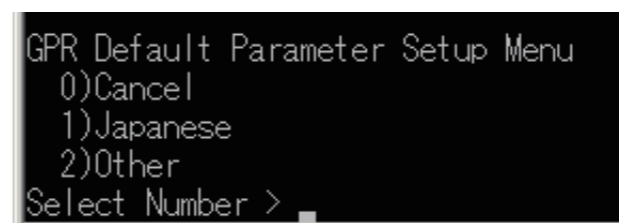


```
CA: C:\Windows\system32\cmd.exe
*
DR Console Setup Tool
Main Menu
0)Quit
1)Install Database Management System
2)Install DR Console Application
3)Install Parameter Files (Menu DB, Image Processing Parameter, etc.)
5)Open Add/Remove Programs (Uninstall Application)
6)Open Add/Remove Hardware (Uninstall Device Driver)
-----
10)Install FRIS Modules
11)Install WakeOnLAN Application
12)Install/Uninstall BENE0 Modules
13)Install Bitmap Files (Japanese Only)
17)Install RAID Status Display Tool
18)Install PPS Cache Server
19)Install SKB Launcher
-----
20)Set up Remote Image Display
21)Set up Tomosynthesis
-----
40)Set up GPR Default Parameter
41)Set up Mask Processing Default Parameter
50)Install PDI Application
60)Install Precise Enlargement Function (Application)
65)Install Free Layout Print (Application)
```

DXCL050416002.ai

2. Type in “40” and press the <Enter> key.

→ The “GPR Default Parameter Setup Menu” opens.

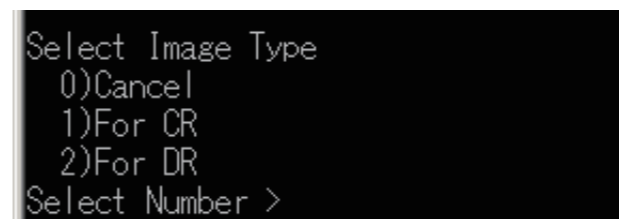


```
GPR Default Parameter Setup Menu
0)Cancel
1)Japanese
2)Other
Select Number >
```

DXL41501.ai

3. Type in the item no. of a language you wish to set up and press the <Enter> key.

→ A confirmation window opens.



```
Select Image Type
0)Cancel
1)For CR
2)For DR
Select Number >
```

DXL41506.ai

4. Enter “2” and press the <Enter> key.

→ The Grid Pattern Removal processing parameter is thus set up appropriately.

16.3 Setup of Auto Shuttering Processing

To use the automatic setup tool, open first “DR Console Setup Tool” menus incorporated in the DR-ID 800CL-AP Disk and then follow the steps below.

1. Insert the DR-ID 800CL-AP Disk into the PC.

→ The “DR Console Setup Tool” main menu will open automatically.

◆ NOTE ◆

- In case the installation start window does not open automatically, double-click the execution file (Setup.bat) in the Disk.
- The items displayed in the “DR Console Setup Tool” vary with the versions of DR-ID 800CL.

```

C:\Windows\system32\cmd.exe
*
DR Console Setup Tool
Main Menu
0)Quit
1)Install Database Management System
2)Install DR Console Application
3)Install Parameter Files (Menu DB, Image Processing Parameter, etc.)
5)Open Add/Remove Programs (Uninstall Application)
6)Open Add/Remove Hardware (Uninstall Device Driver)

10)Install FRIS Modules
11)Install WakeOnLAN Application
12)Install/Uninstall BEMEO Modules
13)Install Bitmap Files (Japanese Only)
17)Install RAID Status Display Tool
18)Install PPS Cache Server
19)Install SKB Launcher

20)Set up Remote Image Display
21)Set up Tomosynthesis

40)Set up GPR Default Parameter
41)Set up Mask Processing Default Parameter
50)Install PDI Application
60)Install Precise Enlargement Function (Application)
65)Install Free Layout Print (Application)
  
```

DXCL050416002.ai

2. Type in “41” and press the <Enter> key.

→ “Mask Processing Default Parameter Setup Menu” opens.

```

Mask Processing Default Parameter Setup Menu
0)Cancel
1)Japanese
2)Other
Select Number >
  
```

DCL41502.EPS

3. Type in “2” and press the <Enter> key.

→ Shuttering processing parameters will then be set up.

Performing the above steps will inactivate (OFF) the auto shuttering processing for the following MPM code menus and activate (ON) the same processing for other menus. Manually set up shuttering processing appropriately if the automatic setup will result in settings unsuitable to your customers.

Table List of MPM codes that turn auto shuttering processing OFF

Menu	MPM Code
TEST Menu	?9??
Treatment Menu (only in Japan)	7??B
PARANASAL SINUS	00?1
EAR	00?B
PARANASAL SINUS: C	10?2
PARANASAL SINUS: T	20?0
EAR: T	20?1
EAR-2DIV (only in Japan)	60?A

17. Menu Import Export Tool

Presented herein are the “Menu Import Export Tool” commands and the procedures used to set up those commands.

◆ **NOTE** ◆

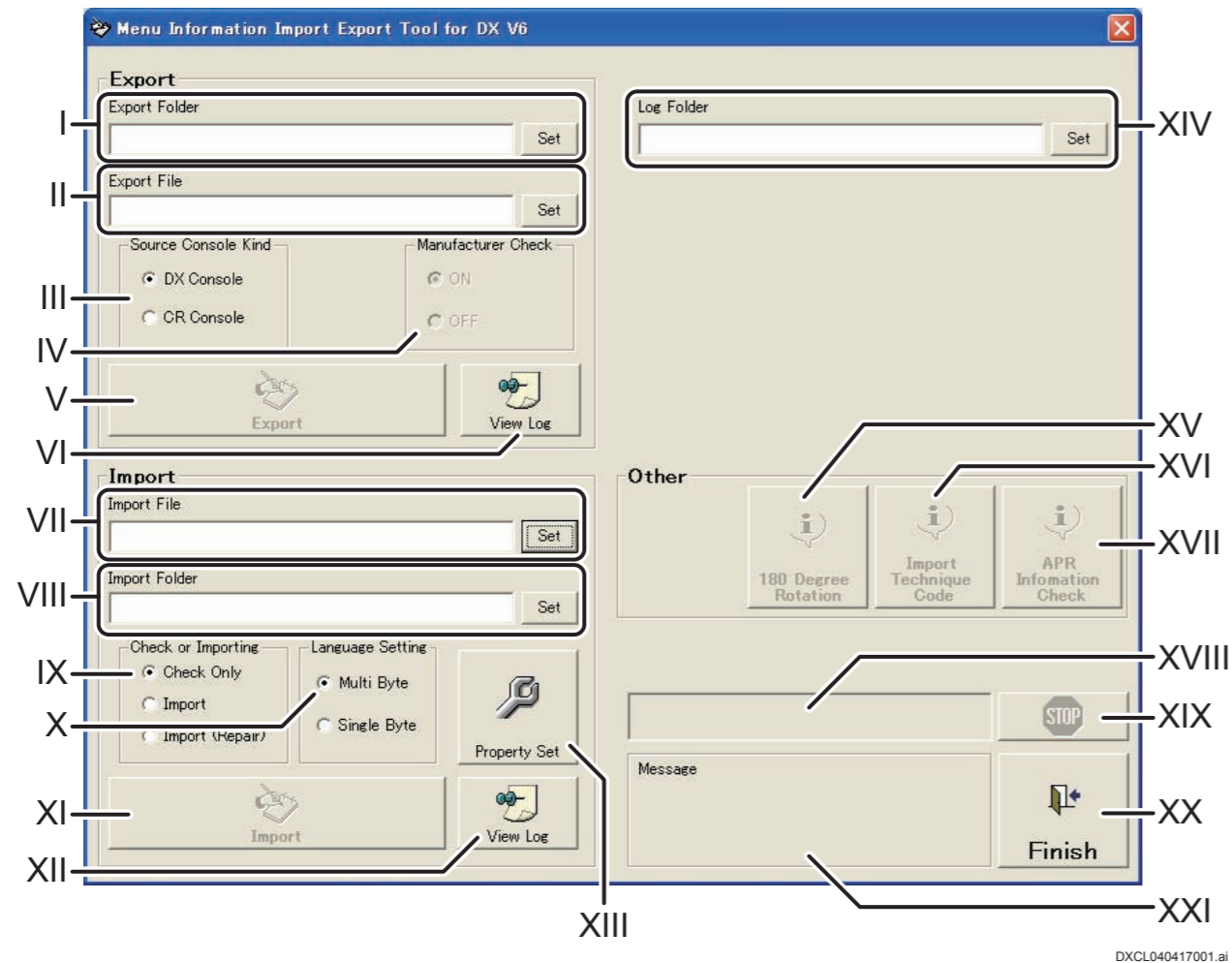
-
- *Do not use the Menu Import Export Tool on the DR-ID 800CL.*
 - *Prior to using the Menu Import Export Tool, be sure to make a backup copy of the “MenuData.mdb”, “XconParam.mdb”, “Selector.mdb” and “DisplayData.mdb” files of the DR-ID 800CL.*
-

17.1 Functions and Overview of the Menu Import Export Tool

The “Menu Import Export Tool” is used to edit the exposure menu and the study menu available in the DR-ID 800CL and the following setups are possible.

- Extracting exposure menu and study menu information from the menu database of the DR-ID 800CL and writing out such information onto Excel-format data (Export)
- Writing post-edited menu information onto the menu database (Import)

Starting the Menu Import Export Tool will display a window like that shown below (hereinafter, “main menu”).



No.	Menu	Meaning
I	Export Folder	Specifies a folder where the menu database is stored in the DR-ID 800CL. This folder is targeted for export (write-out) processing.
II	Export File	Sets location of storage of a file targeted for export (write-out) processing and its filename.
III	Source Console Kind	Selects a kind of the console used.
IV	Manufacturer Check	Sets whether or not to perform X-CON parameter automatic conversion for each manufacturer when “CR Console” is selected in “Source Console Kind”.
V	Export	Performs export (write-out) processing of exposure menus following setups in I and II, above.
VI	View Log	Enables to view log files for export (write-out) processing.
VII	Import File	Specifies an Excel file targeted for import (write-in) processing.
VIII	Import Folder	Specifies a folder where the menu database is stored in the DR-ID 800CL. This folder is targeted for import (write-in) processing.
IX	Check or Importing	Specifies a type of operation for import (write-in) processing. <ul style="list-style-type: none"> • Check Only : Checks contents of a file specified in “Import” and writes out the check result onto the log file. • Import : Reflects a file specified in “Import” onto the menu database in the DR-ID 800CL. Whenever an error is found in a file targeted for import (write-in) processing, such processing is stopped immediately. • Import (Repair) : Reflects a file specified in “Import” onto the menu database in the DR-ID 800CL. Whenever an error is found in a file targeted for import (write-in) processing, such processing is continued by replacing the error by a pre-determined setup value.

No.	Menu	Meaning
X	Language Setting	A language used on the DR-ID 800CL is specified here. <ul style="list-style-type: none"> • Multi Byte : DR-ID 800CL used within the Japanese environment. • Single Byte : DR-ID 800CL used within an environment other than Japanese.
XI	Import	Performs import (write-out) processing of exposure menus following setups in VI to IX , above.
XII	View Log	Enables to view log files for import (write-in) processing.
XIII	Property Setting	Displays the Property Setting window, where the range of selection of menu information is to be specified.
XIV	Log Folder	This is to set a log file output folder for “Export”, “Import”, “APR Information Check” or “Import Technique Code” processing.
XV	180 Degree Rotation	Displays the 180° image rotation information window and performs necessary processing.
XVI	Import Technique Code	Displays the auto technique setup window and updates the Technique Code field contained in the exposure menu information file. (This option is not used on this equipment.)
XVII	APR Information Check	Displays a window where the consistency is checked between APR information of the DR-ID 800CL exposure menu and that of the FPD.
XVIII	Progress Bar	Indicates the progress status of import or export processing.
XIX	STOP	Stops export or import processing.
XX	Finish	Finishes the Menu Import Export Tool.
XXI	Message	Displays actual execution results of export and import processing.

17.2 Setting Up the Menu Import Export Tool

◆◆ CAUTION ◆◆

The version of the used Menu Import Export Tool depends on the version of the DR-ID 800CL software. Therefore, it is necessary to check the DR-ID 800CL for the software version and install Menu Import Export Tool of a proper version.

DR-ID 800CL V7.0 : Menu Import Export Tool V5.1

DR-ID 800CL V7.3 : Menu Import Export Tool V6.2

■ Operating environment

Use a PC that meets the following requirements.

OS	Windows 7 Professional (32bit version)
Application	Microsoft Excel 2003 (Office 2003)

■ Tool installing

1. Insert the Menu Import Export Tool Disk into the PC where this tool is to be installed.
2. On the Explorer window, double-click “Setup.exe” within the Disk.
→ The setup start window opens.

3. Click [OK].

◆ NOTE ◆

To install Menu Import Export Tool within an environment where different versions of Menu Import Export Tool has already been installed, click “Change Directory” to specify a folder that is different from the one where Menu Import Export Tool has been installed, then click [OK].

(Example) Before: C:\Program Files\MenuImportExportTool

After: C:\Program Files\MenuImportExportTool_V4

- A window opens prompting you to confirm a folder targeted for setup.

4. Click



- A window opens where setup is to be performed for registration of the startup menu.

5. Click [Continue].

◆ NOTE ◆

To install Menu Import Export Tool within an environment where different versions of Menu Import Export Tool has already been installed, set a name that is different from the name of Menu Import Export Tool that has been installed in “Program Group”, then click [Continue].

Example: MenuImportExportTool_V4

- A window opens to indicate completion of the setup processing.

6. Click [OK].

17.3 Starting/Shutting Down the Menu Import Export Tool

■ Startup

1. Select , “All Programs” and “MenuImportExportTool” in this order.

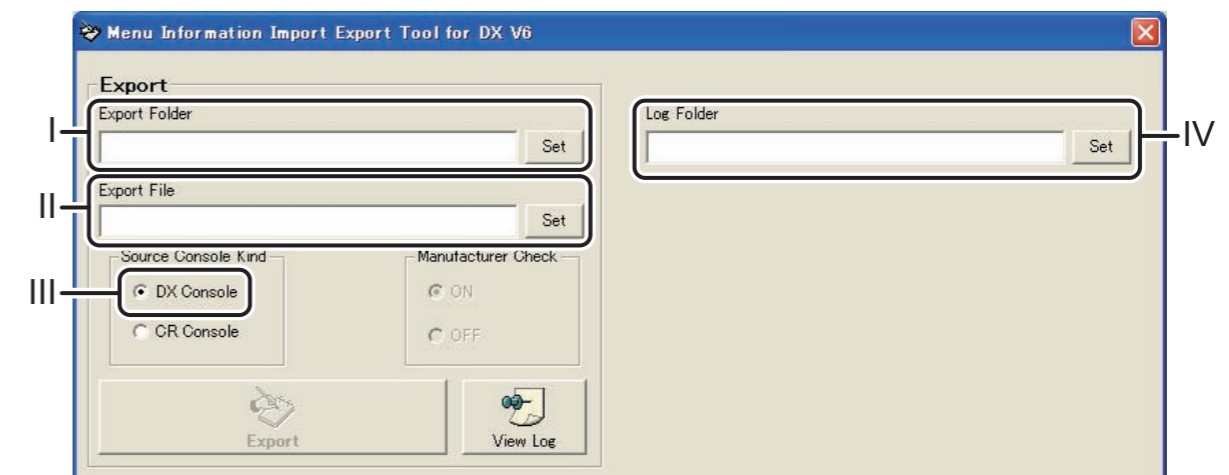
■ Shutdown

1. Click  in the “Menu Import Export Tool”.

17.4 Exporting Exposure Menus

Described herein is the procedure used for export (write-out) processing of an exposure menu and a study menu from the menu database within the DR-ID 800CL onto an Excel-format file.

1. Start running the Menu Import Export Tool.
2. Perform the following settings.



DXCL040417002.ai

- I. Specify a folder where the menu database is stored in the DR-ID 800CL.
- II. Specify location of storage of a file targeted for export (write-out) processing and its filename.
- III. Select “DR”.
- IV. Specify a log file output folder.

3. Click .

4. Click  to check the export processing status.

5. Shut down the Menu Import Export Tool.

17.5 Cautions Observed Before Menu Import

17.5.1 Cautions Observed When Editing Exposure Menus and Study Menus

■ Cautions applicable to both exposure menus and study menus

- From the first to third line, replacement of rows or insertion of empty lines are not allowed.
- Use Sheet1 for exposure menu information, Sheet2 for study menu information and Sheet3 for study menu spread information. Do not increase the number of sheets.
- Register menu information on the fourth line and thereafter. Use one line for registration of each menu.
- The cell presentation format used should all be in "character string".

■ Cautions observed when editing exposure menu information

- When rows were replaced or empty lines inserted, make sure that there is no disagreement between the field ID on the first line and each row containing record values on the fourth line and thereafter.
- Be sure to input a value in the Code cell. If it is left blank or entirely spaced, no menus will be registered skipping over to the next row.
- If the Code cell is left blank or entirely spaced for three or more lines, menu import processing will end as the menu information is considered to have been fully processed.
- If a cell other than the Code cell is left blank or entirely spaced, the pre-determined default value will be registered at menu import.
- In a field where the "Yes/No" data selection type is used in the database, set "1" for "Yes" and "2" for "No". Importing menus using values other than those will cause an abnormal value to result.
- An error will occur at the time of import if the "ContrastShift" (C04) field or the "SensitiveShift" (C05) field is blank.
Set "0" for the "ContrastShift" (C04) and "SensitiveShift" (C05) fields or select "Import (Repair)" in the "Check or Importing" column before importing.

■ Cautions observed when editing study menus

- It is not allowed to replace rows or insert empty lines in the study menu information (Sheet2) and study menu spread information (Sheet3).
- Consecutively describe study menus of the same code in the study menu spread information (Sheet3), and be sure not to include any study menus of different codes in those consecutively described menus.
- In an attempt to import a study menu, values included in the source file for menu import are imported without checking values in each of the fields. When editing a field, make sure to observe the following rules.

[Study menu information (Sheet2)]

Code : Input a code value so that it is unique in the study menu information.

[Study menu spread information (Sheet3)]

Code : Input a code value pre-determined in the study menu information (Sheet2).

ExposureMenuCode : Input a code value pre-determined in the exposure menu information (Sheet1).

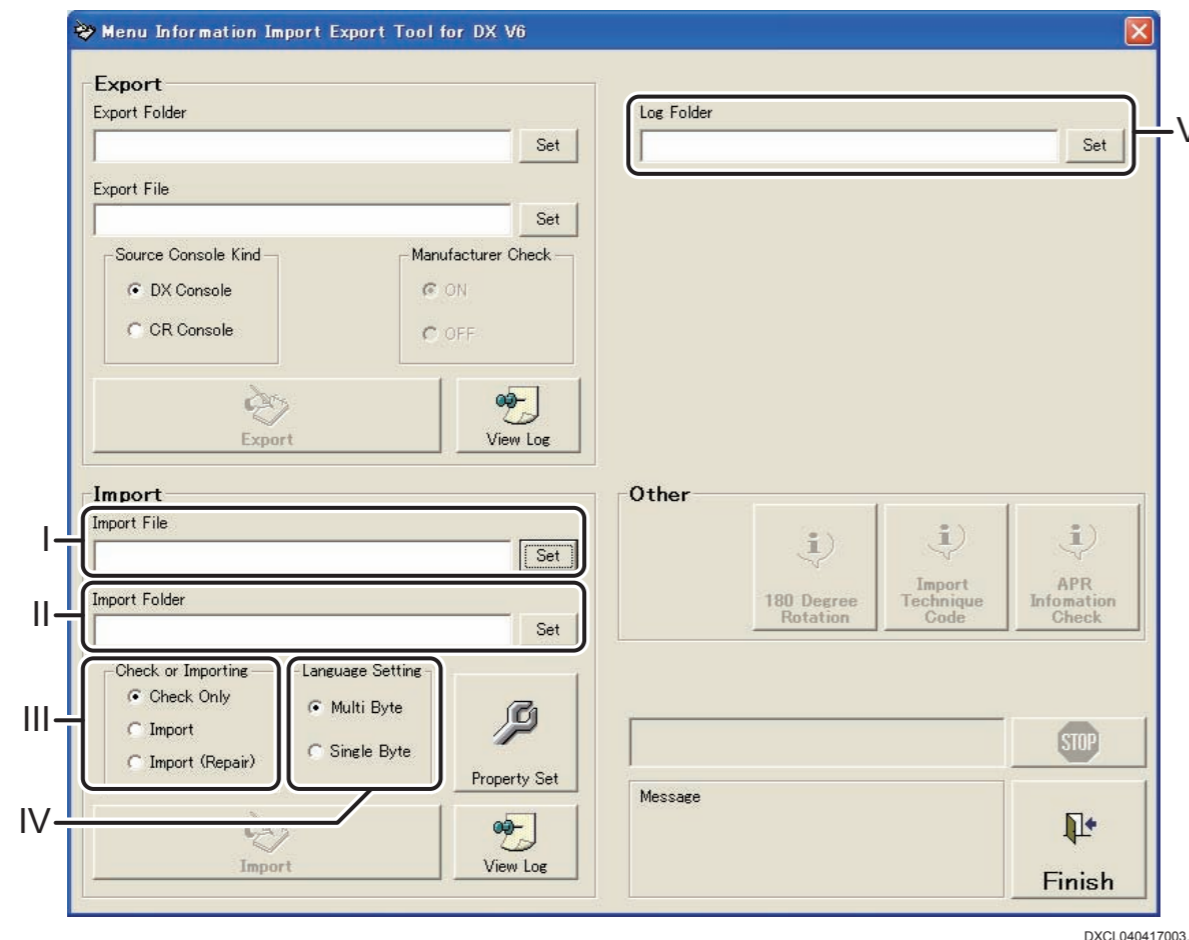
ExposeOrder : Input a code value so that it is unique in the study menu spread information (Sheet3). Starting from 0, increase the input value one by one.

FramePosition : Input a code value so that it is unique in the study menu spread information (Sheet3). Starting from 0, increase the input value one by one.


17.6 Importing Exposure Menus and Study Menus

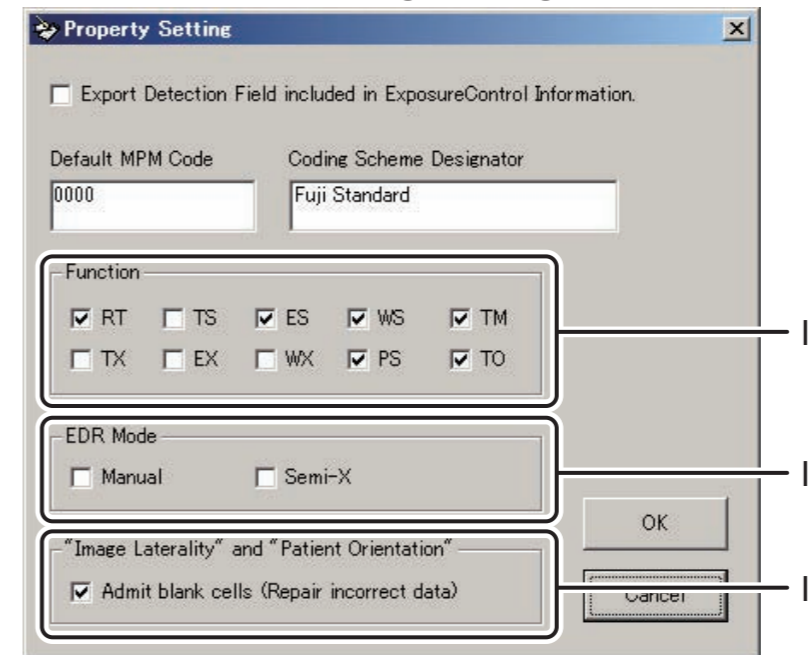
Described herein is the procedure used for import (write-in) processing of post-edited exposure menu and study menu files onto the menu database within the DR-ID 800CL.

1. Start running the Menu Import Export Tool.
2. Perform the following settings.



- I. Select an Excel file targeted for import processing.
- II. Specify a folder targeted for import (write-in) processing. Such folder stores the menu database on the DR-ID 800CL.
- III. Select a type of operation for import (write-in) processing.
- IV. Select a language to be used on the DR-ID 800CL.
- V. Specify a log file output folder.

3. Click .
 - The “Property Setting” window opens.
4. Perform the following settings and click [OK].



- I. Place a check marks to “RT”, “TM”, “WS”, “PS”, “ES” and “TO”.
- II. Place a check marks by referring to the table below.

Check mark status		Configurable range of EDR Mode (CR/DR)
Manual	Semi-X	
Uncheck	Uncheck	0 - 2
Check	Uncheck	0 - 5
Uncheck	Check	0 - 2, 6 - 14
Check	Check	0 - 14

- III. Place a check mark to “Admit blank cells (Repair incorrect data)”.

→ The system returns to the main menu window.

5. Click .

6. Click  to check the import processing status.

7. Shut down the Menu Import Export Tool.

17.7 Checking APR Information

► **IMPORTANT**

The APR information checkout function is not used with the DR-ID 800CL.

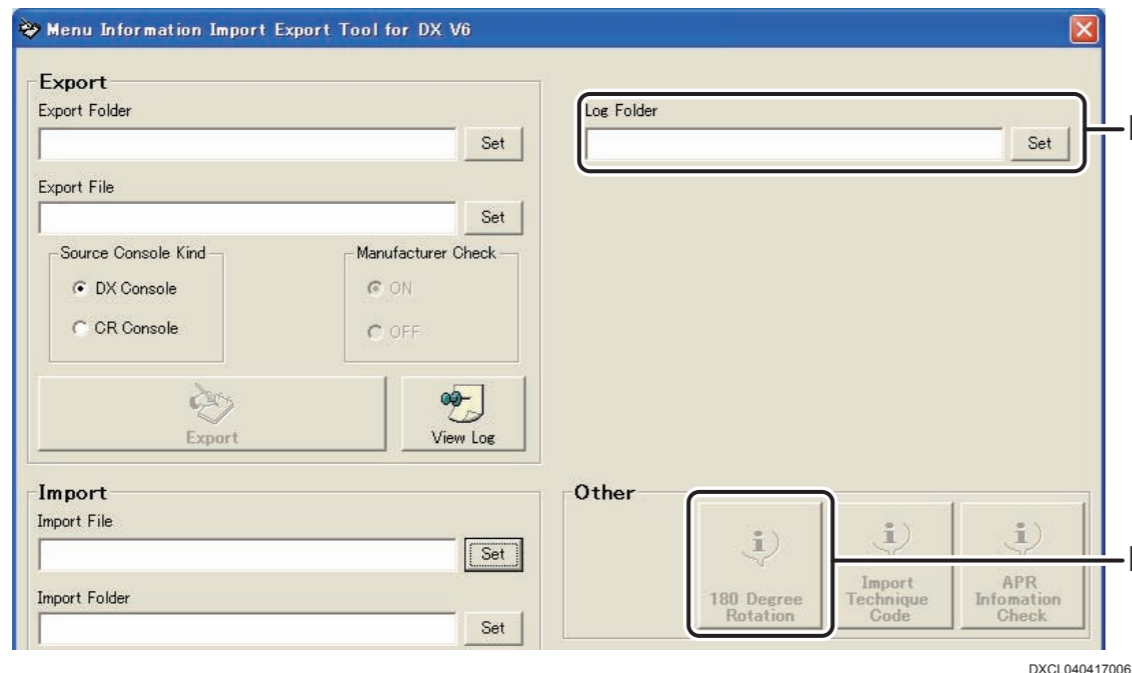
17.8 Setting the 180° Image Rotation Information

Based on a menu data file (Excel) exported from the Menu Import Export Tool, view selector database file settings from “TechnicCode” that is for each of the extension menus included in the same file and update feed data of both “ReverseTopBottom” and “ReverseLeftRight” also included in the same file. The procedure used is described below.

◆ NOTE ◆

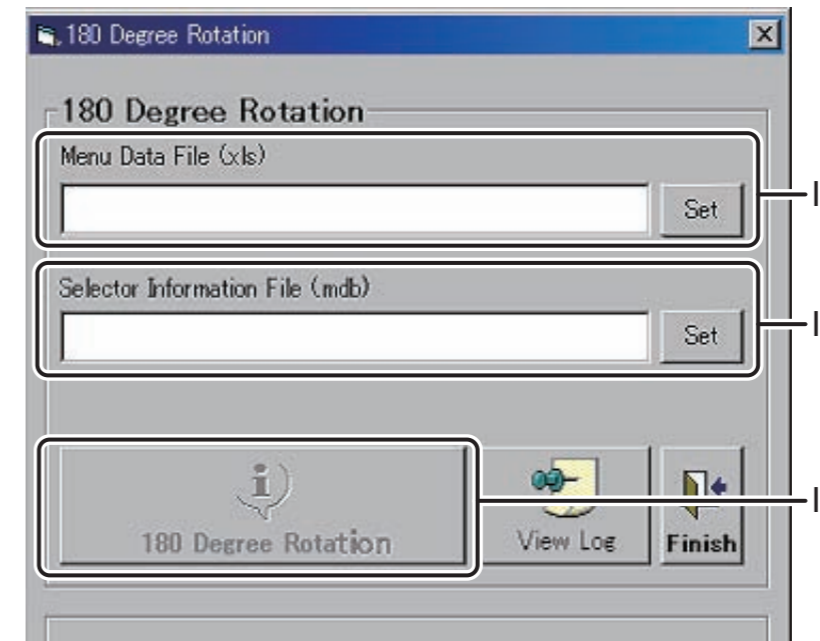
Perform this setup procedure with the menu data file (Excel) closed appropriately.

1. Start up the “Menu Import Export Tool”.
2. Perform the following settings.



- I. Specify a log file output folder.
 - II. Click “180 Degree Rotation”.
- The “180 Degree Rotation” window opens.

3. Perform the following settings.



- I. Select a DR-ID 800CL menu data file (Excel).
- II. Select a DR-ID 800CL selector database file (Selector.mdb).
- III. Click “180 Degree Rotation”.

4. Click  and check the setup result.
5. Close the “180 Degree Rotation” window.
6. Shut down the “Menu Import Export Tool”.

17.9 Automatic Technique Settings

► **IMPORTANT**

The automatic technique setting function is not used with the DR-ID 800CL.

BLANK PAGE

BLANK PAGE

Appendix A Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix B Creating/Registering/Deleting Markers

By default, the DR-ID 800CL allows you to use 83 different markers that are frequently used at institutions. However, some institutions might want to use some other markers or delete infrequently used markers from the list.

This section explains procedures for creating new markers, registering markers, and deleting markers.

◆ NOTE ◆

Changing the filename of a marker used for the auto marker will cause an error to occur when performing an exposure using a marker of changed filename. For this reason, do not change filename of a marker used for the auto marker. To change the filename, delete auto markers from all the exposure menus and then change it appropriately.

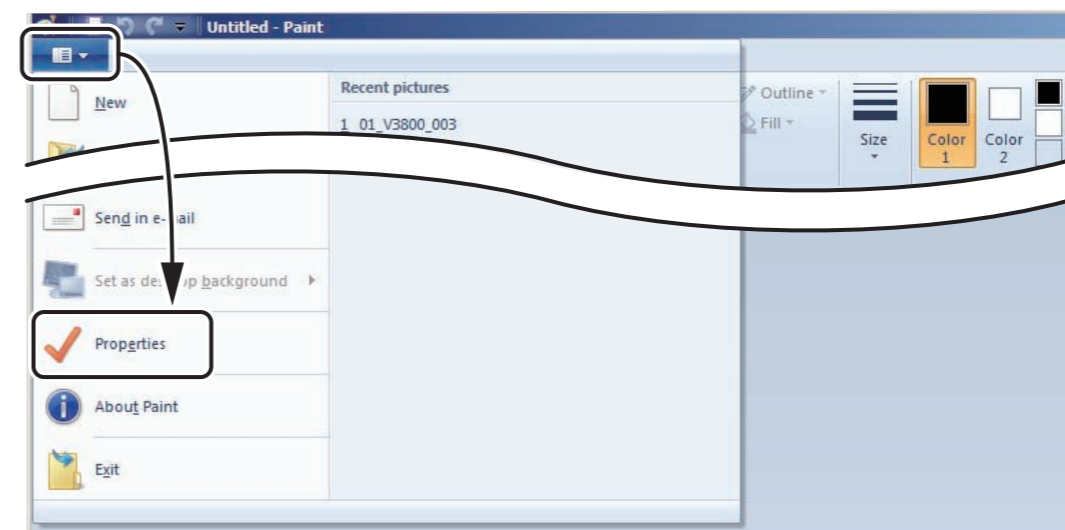
1. Creating Markers

New markers can be created with “Paint”, which is a standard application supplied with the OS. When creating a marker, launch Paint and perform the following procedure.

■ Image Format

Only the monochrome format of Windows BMP can be used.

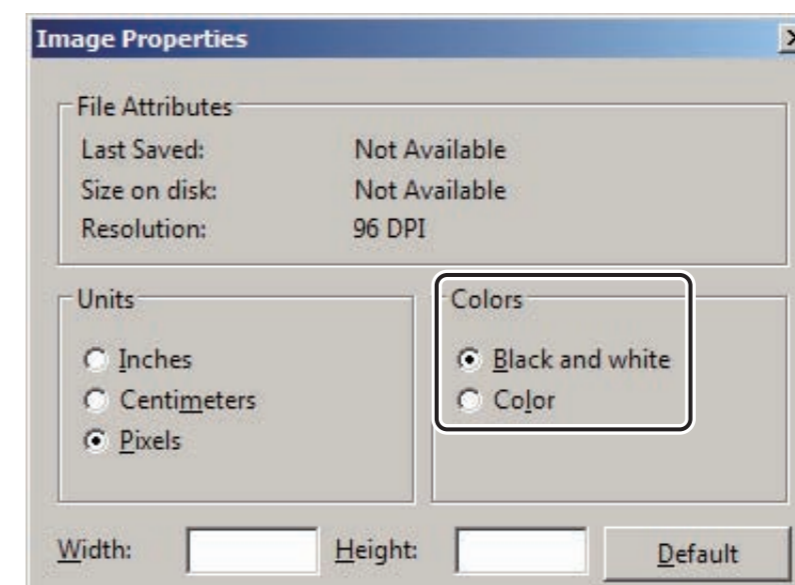
1. Select “Properties” from the menu.



DXL040B0008.ai

→ The “Image Properties” window opens.

2. Select “Black and white” from the “Colors” area.



DXL040B0009.ai

■ File name

The file name must consist of an alphanumeric character string and extension (.bmp).

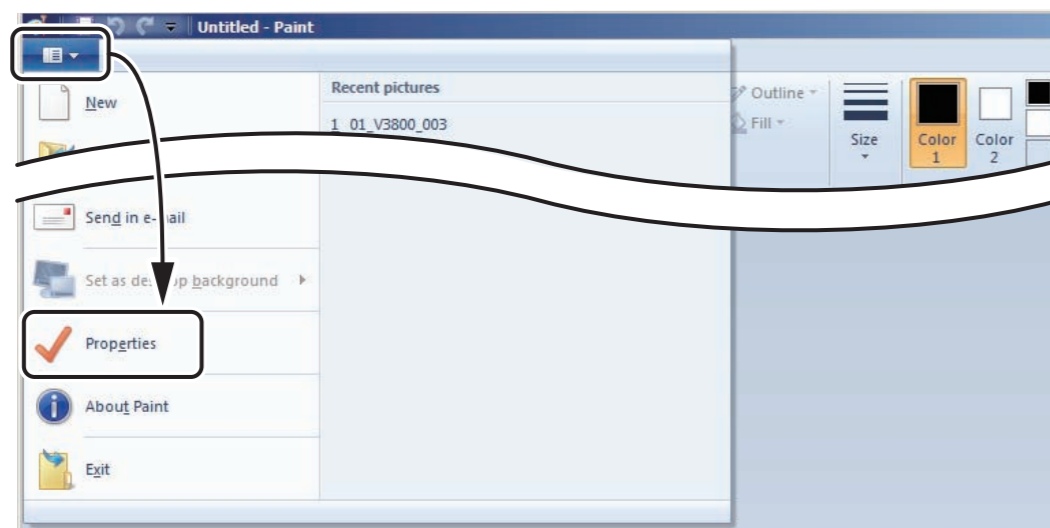
When the DR-ID 800CL-AP lists markers, the display order of the markers is determined as follows:

Determined by the order of the registration in the “RegMarkerBmp.csv” file.

■ Minimum/maximum size

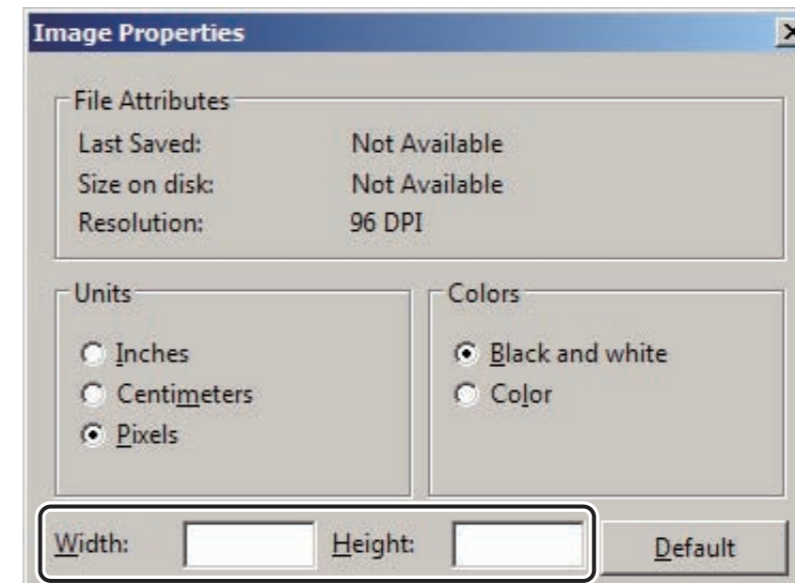
The marker size range is from 50 pixels × 50 pixels to 1000 pixels × 1000 pixels (which corresponds to an actual dimensional range of 0.5 mm × 0.5 mm to 100 mm × 100 mm).

1. Select “Properties” from the menu.



→ The “Image Properties” window opens.

2. Set the size in the “Width” and “Height” input fields.



DXL040B0010.ai

■ Actual size

One BMP pixel corresponds to an actual size value of 0.1 mm.
To create a 25 mm marker, use Paint to create 250-pixel data.

Example) BMP : 100 pixels × 100 pixels
Actual size : 10 mm × 10 mm

■ Marker data storage location

You can use a created marker when its file is stored in the following folder.

The folder can store up to 128 data. Since 83 data are initially stored, you can additionally store up to 45 data if the initially stored data is left undeleted.

C:\Program Files\FujiFilm\IIP\MarkerBmp

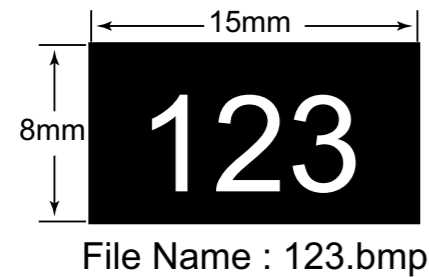
The created marker files will be available by registering their file names in the "RegMarkerBmp.csv" file.
Up to 128 data can be stored.

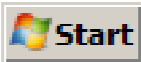
■ Marker retention after an application upgrade

Even if you upgrade the application, created markers are retained.

2. Marker Creation Example [Reference]

The procedure for creating a marker is described below. The procedure presumes that the following marker is to be created:

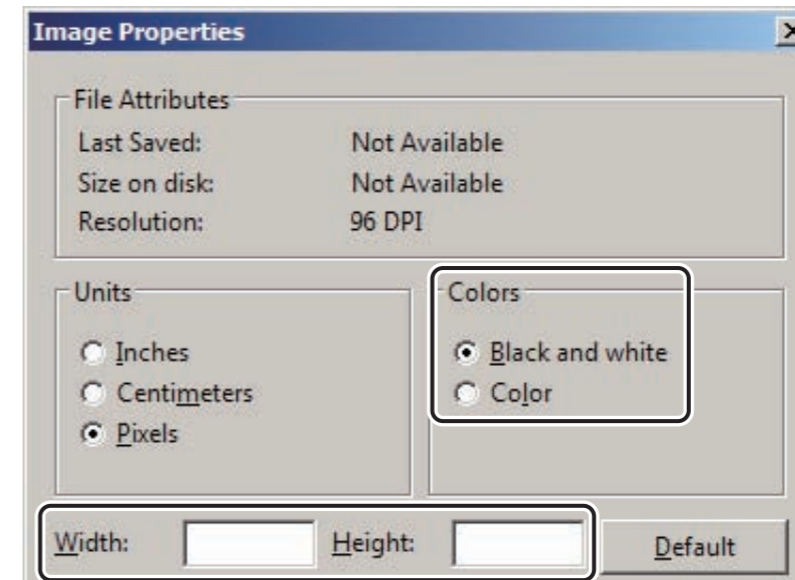


1. Click , point to “All Programs” and “Accessories”, and then click “Paint”.
→ Paint then opens.
2. From the menu, choose “Properties”.
→ The “Image Properties” window opens.

3. In the “Width” and “Height” fields, enter “150” and “80”, respectively. Turn ON the “Black and white” radio button in the “Colors” area.

◆ **NOTE** ◆

Be sure that “Pixels” is selected in the “Units” area.

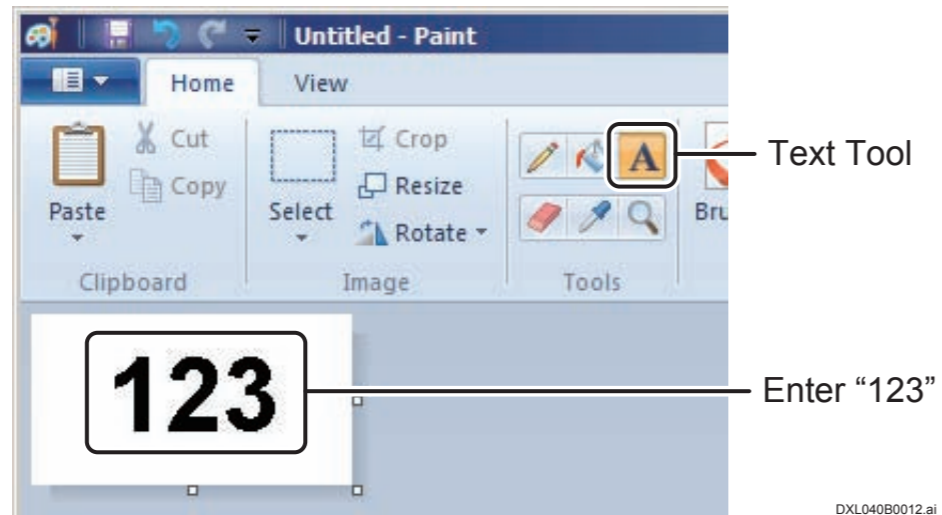


4. Click  .

5. With "Text tool", enter text.

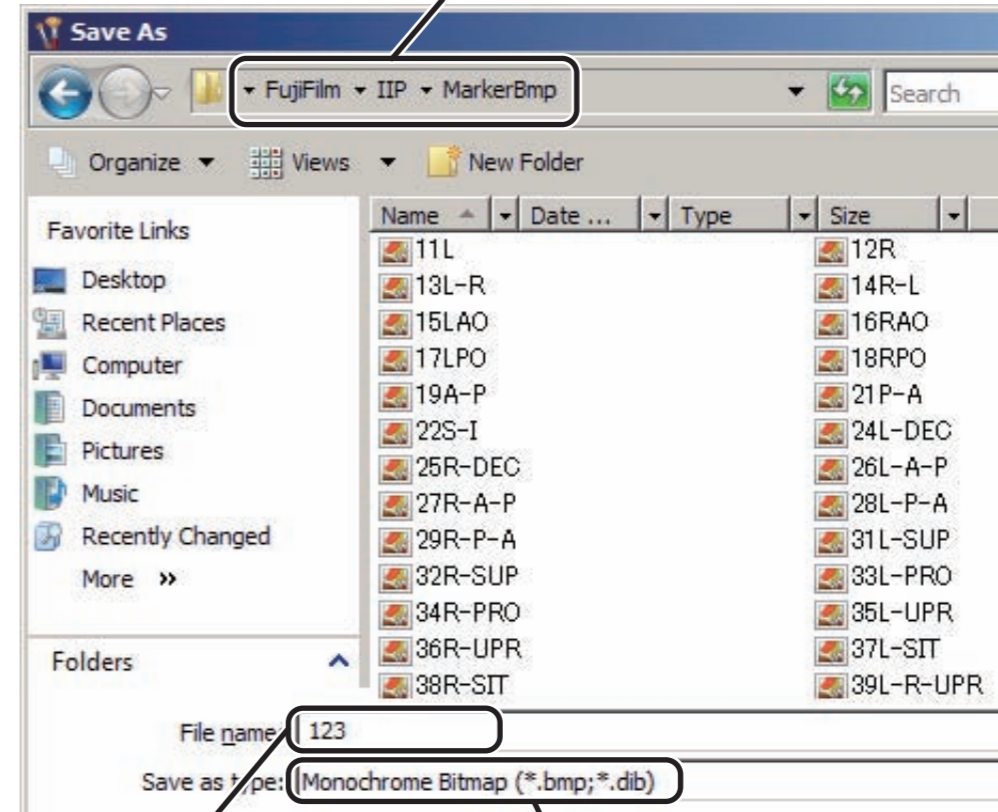
◆ NOTE ◆

*Enter text in black (against a white background of BMP data).
In a DR-ID 800CL-AP window, the white portion of BMP data becomes the background with the text (marker) displayed in black.*



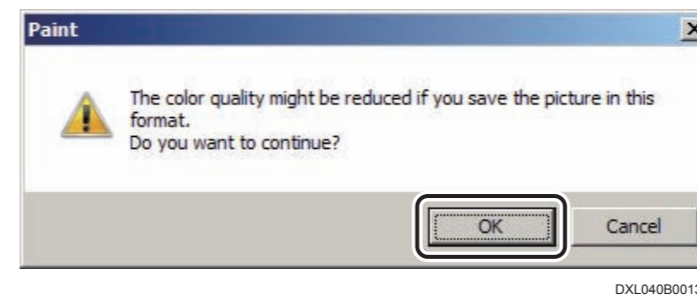
6. Perform the following steps to save the created BMP data in the predetermined folder (C:\Program Files\FujiFilm\IIP\MarkerBmp).

1. Choose "C:\Program Files\Fujifilm\IIP\MarkerBmp"




◆ NOTE ◆

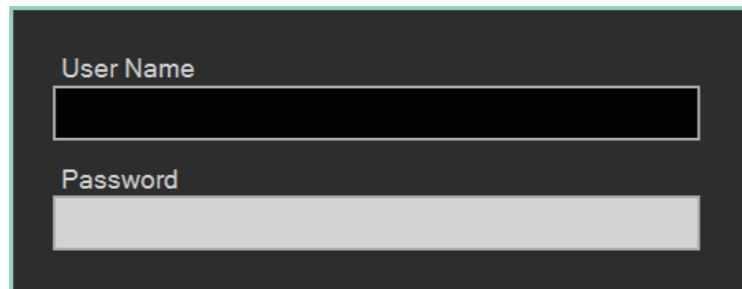
If the following window opens, click  .



7. Add the created marker file name to the “RegMarkerBMP.csv” file in the “C:\Program Files\FujiFilm\IIP\MarkerBMP” folder.

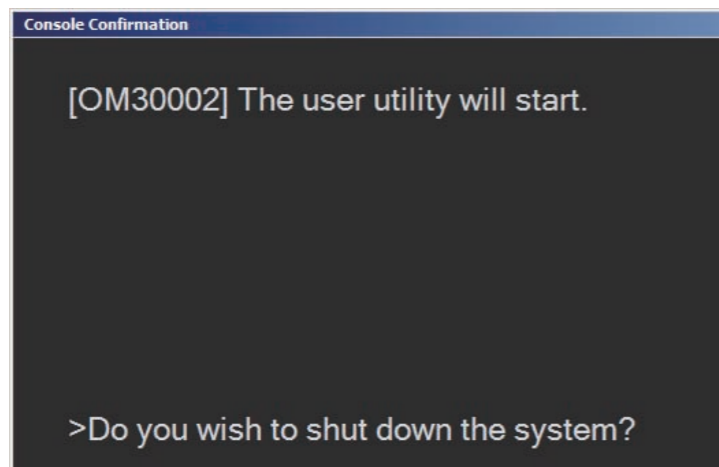
8. For V7.3 or later, set up the default color of marker as necessary.

- I. From the  menu, sequentially choose “All Programs”, “Fuji Film”, and “Console Advance.”
→ The Log-in window for DR-ID 800CL-AP opens.



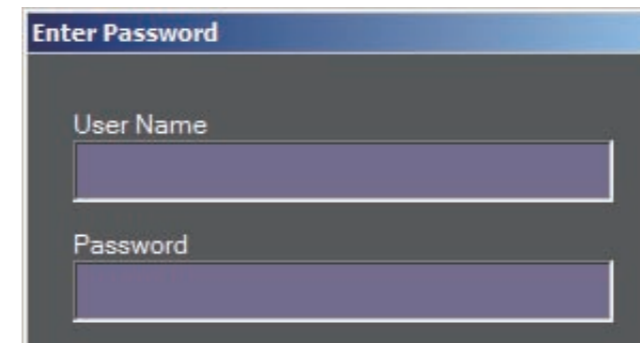
D80C0304B005.ai

- II. Click [User Utility].
→ The “Console Confirmation” window opens.



D80C0304B004.ai

- III. Click [OK].
→ The “Enter Password” window opens.



D80C0304B006.ai

- IV. Enter the following.
User name : FFService
Password : fieldengineer

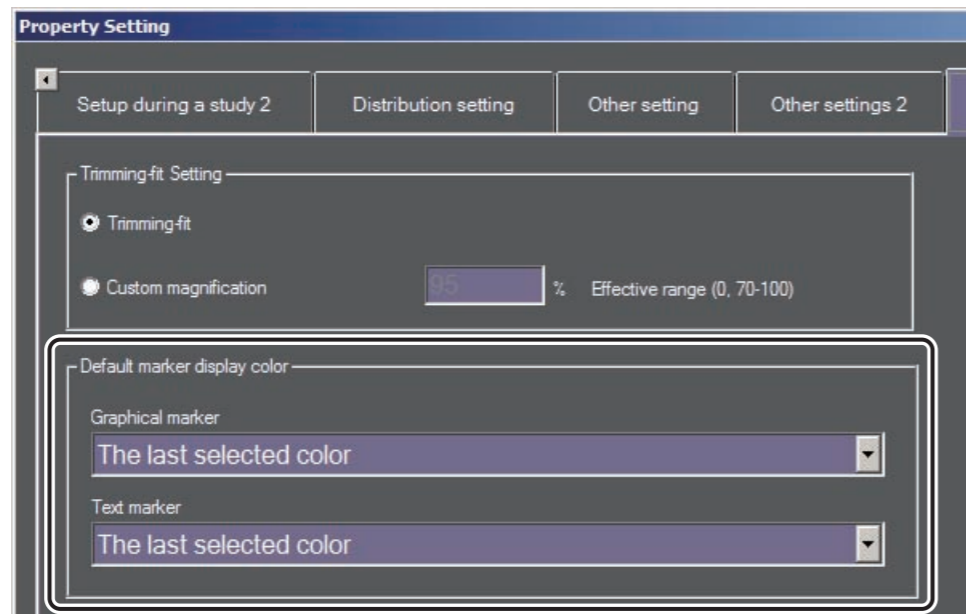
- V. Click [OK].
→ The “Main menu” window opens.



DXCL10040B003.ai

- VI. Click [Property Setting].
→ The “Property Setting” window opens.
- VII. Select “Performance Setting” tab.

- VIII. Set “Graphical marker” and “Text marker” at the “Default marker display color” area, and click [OK].



DXCL1004B003.ai


→ The system returns to the “Main Menu” window.

- IX. Click [Terminate].

→ The system returns to the Log-in window for DR-ID 800CL-AP.

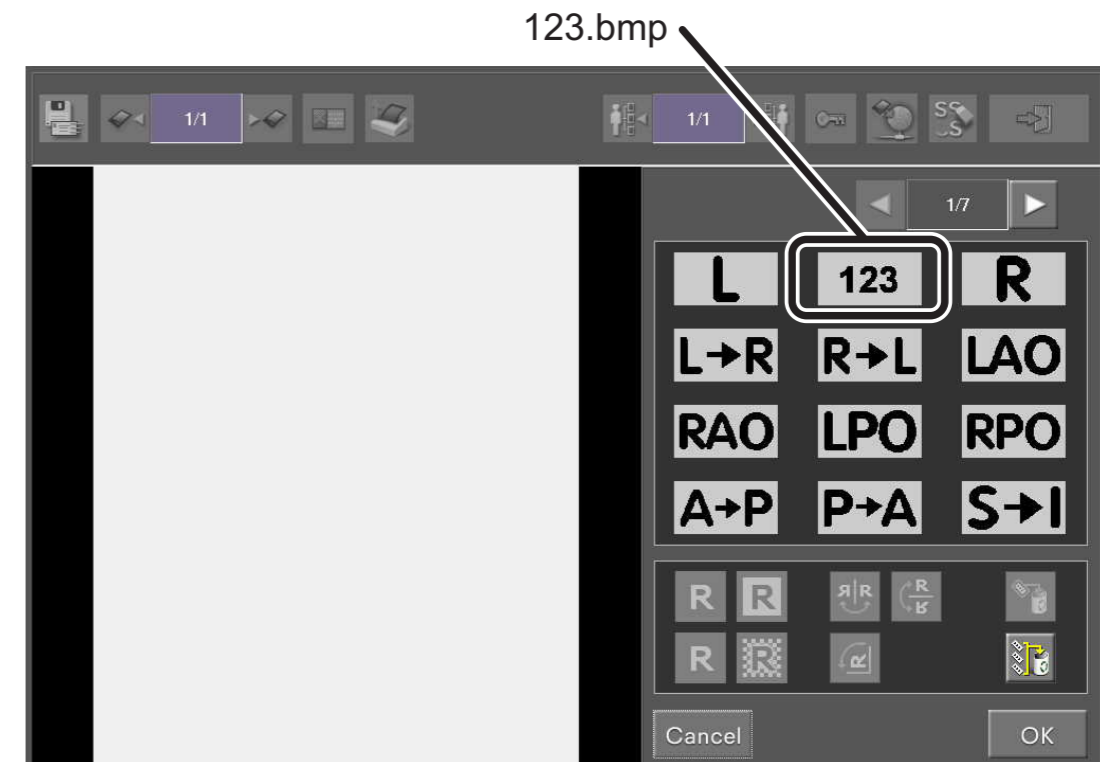
- X. Click [Shutdown].

→ The exit window opens.

- XI. Click  while holding down the <Shift> key.

→ The system returns to the desktop screen.

9. Launch the DR-ID 800CL-AP. Verify that “123.bmp” is displayed in the marker list.



FR000009.EPS

3. Registering Markers

To display marker files in the marker list, marker file information must be registered in the marker management file “RegMarkerBmp.csv”.

To register marker files, perform the following settings.

■ When registering markers individually

Register markers by editing “RegMarkerBmp.csv” in the “C:\Program Files\FujiFilm\IIP\MarkerBmp” folder using a text editor.

■ When registering marker in a batch

➔ REFERENCE

When markers are registered in a batch, the order of the markers in the marker list is determined by their file names.

1. Store the BMP files to be registered in the “C:\Program Files\FujiFilm\IIP\MarkerBmp” folder.
2. Connect the USB disk drive (JIG) to the USB port of the Mobile X-ray Unit.
3. Insert the DR-ID 800CL-AP Disk into the disk drive.

4. Double-click “CreateMarkerCSV.bat” in the “D:\tools” folder.

➔ The marker files are registered.

◆ NOTE ◆

- The marker file set to the auto marker file (AutoMarkerDB.mdb) must be saved directly under the “MarkerBmp” folder.

When an exposure menu for which auto marker setting has been done is selected and image input is performed in the background, the implementation of that study may become impossible.

- Contents of the auto marker file (AutoMarkerDB.mdb) are not modified automatically. Modify them manually as necessary.
-

➔ REFERENCE

Perform the following procedure to change the order of the markers.

- I. Open “RegMarkerBmp.csv” with a text editor.
 - II. Sort the marker file names in the desired display order.
 - III. Save the file and close the text editor.
-

5. Remove the DR-ID 800CL-AP Disk from the disk drive.

4. Deleting Markers

Delete the applicable marker file name from the “RegMarkerBmp.csv” file in the “C:\Program Files\FujiFilm\IIP\MarkerBmp” folder.

➔ REFERENCE

- *By editing the “RegMarkerBmp.csv” file, the setting whether or not to display the marker on the DR-ID 800CL can be switched.*
 - *When setting not to display a marker, the corresponding BMP data does not need to be deleted. However, there is not problem in deleting it.*
-

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix C Using the DICOM Log Mode

The DICOM log is a record of communications with DICOM-connected equipment. Under normal conditions, the log files record associations only. However, you can record detailed descriptions of communications by changing the DICOM Log Mode. This mode change is called a DICOM Log Mode change.

The log files record the numbers of DICOM tags, the information attached to DICOM tags, the time of communication with connected equipment, and other relevant information.

Changing the DICOM Log Mode

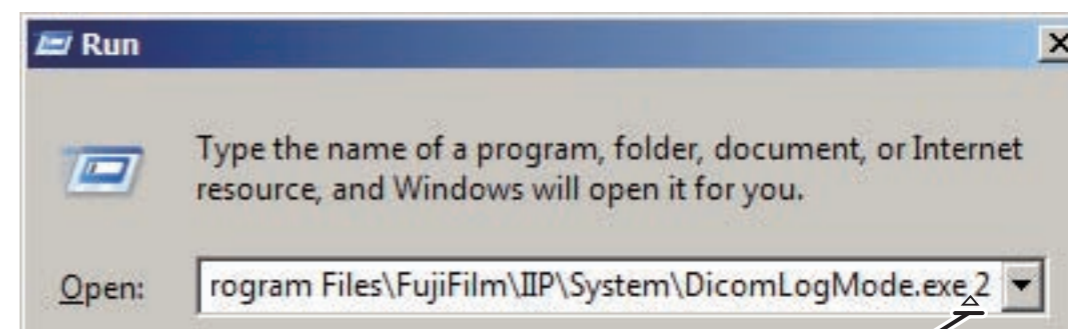
1. Select “All Programs” – “Accessories” – “Run” from the



2. Select the DicomLogMode.exe file in the following directory:
C:\Program Files\FujiFilm\IIP\System\DicomLogMode.exe

3. Enter the parameter value 0, 1, or 2 as shown below. The meanings of the modes selected by these parameters are explained below:

- 0: Records nothing.
- 1: Records associations only (default).
- 2: Records detailed information as well.

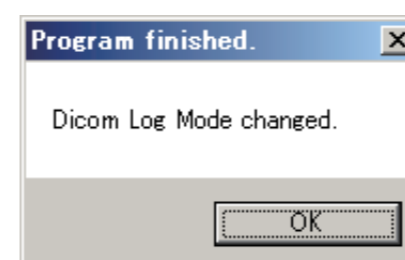


Parameter
(The Δ symbol represents a space.)

FR00010.ai

4. Click .

→ A confirmation window opens, notifying you that the DICOM Mode is changed.



FR00011.ai

5. Click .

→ The confirmation window closes.

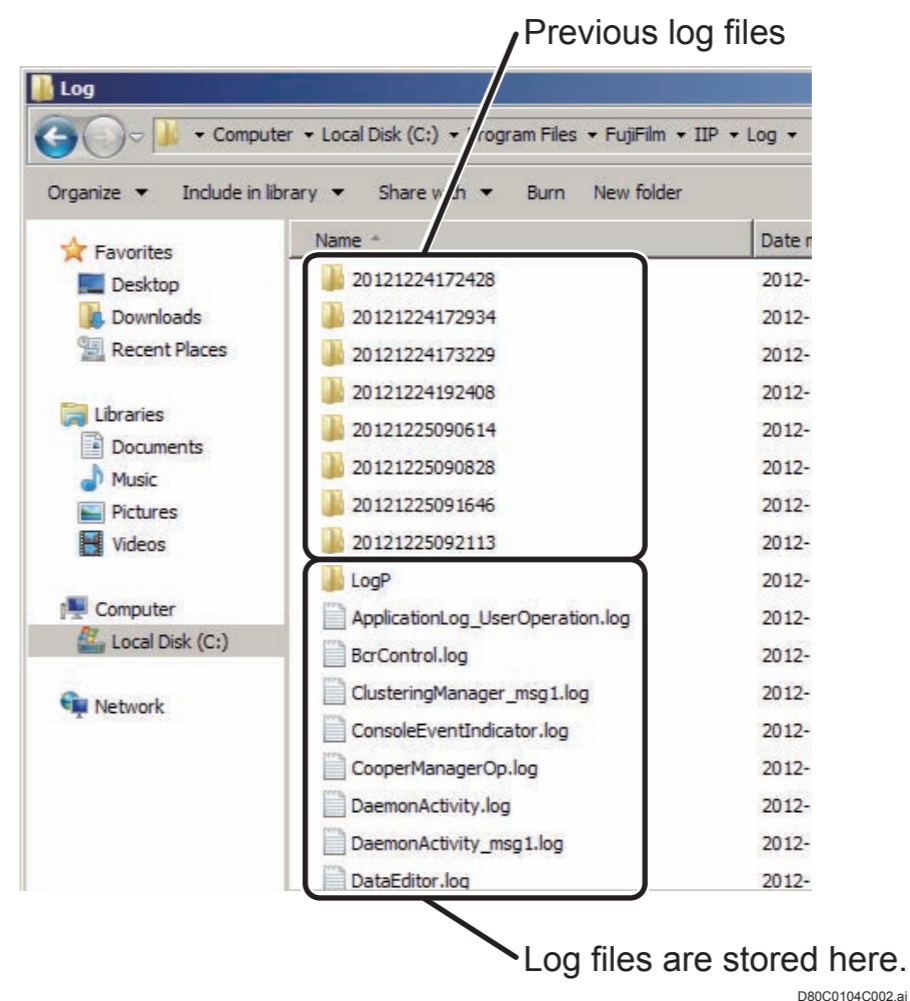
◆ NOTE ◆

After completion of a DICOM Log Mode change and log file verification, be sure to return the mode selection to 1.

■ Log file storage locations and types

1. Open the directory (C:\Program Files\FujiFilm\IIP\Log) in which the DICOM log files are stored.
2. Use a text editor (Notepad) to open the DICOM log files. The following DICOM log files are used:

- Reception_BCRIS_MWLSCU.log : Log of MWM ORDER function related information
- Reception_BCRIS_MWLSCU_PI.log : Log of MWM ID function related information
- Study_BCRIS_MWLSCU_PI.log : Log of MWM ID function related information
- Reception_BCRIS_MMPPSSCU.log : Log of PPS function related information
- DicomPrint.log : Log of DICOM PRINT function related information
- DicomStorage.log : Log of DICOM STORAGE function related information
- DicomStorageCommitment.log : Log of DICOM STORAGE COMMITMENT function related information

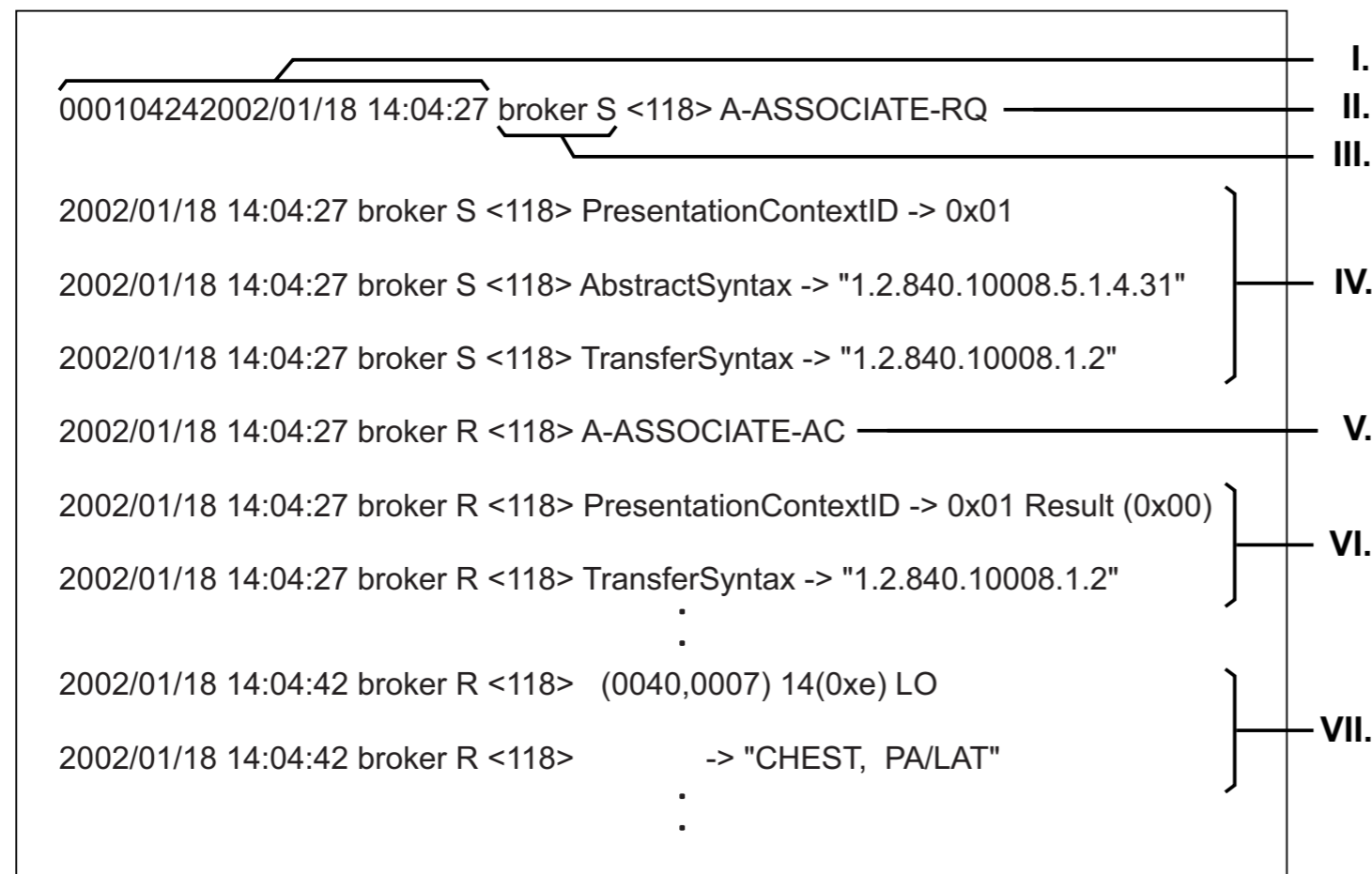


➔ REFERENCE

Log files of the past were saved in the TimeStamp folders, such as "20110115125402", "20110115183003", etc. The log file just in the "LOG" folder is the application's log file which was just running previously. When run the application again, a TimeStamp folder is created and the log file is moved to this folder. (Part of information is compressed.)

■ Details of log files

The log file shown below is used in log mode 2 (detail mode) to record MWM-related communications.



FR000014.EPS

- I. Date and time of a data transmission by DR-ID 800CL or other connected equipment
- II. DR-ID 800CL association
- III. Information about the transmitter (broker S = DR-ID 800CL, broker R = other connected equipment)
- IV. Detailed information (transmitted by DR-ID 800CL)
- V. Connected equipment association
- VI. Detailed information (transmitted by connected equipment)
- VII. Tag information

➔ REFERENCE

The data to be recorded varies with selected log mode.

Mode 1 records the logged data about associations only (only the second and fifth lines in the above figure). Mode 2 records the entire logged data.

Mode 0 records nothing.

BLANK PAGE

Appendix D Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix E Setup of Log Output Items of the Exposure Result Log Function

To change data items to be stored in a log, edit on Microsoft Access 2000 the “ExposureResultLog.mdb” setup file backed up using the Service Utility function. You can change log items in the check boxes of the “EntryFlag” column on the “ExposureResult” table. The necessary procedure is described as follows.

Edit the “ExposureResultLog.mdb” setup file on a different PC.

1. Use Microsoft Access to open the “ExposureResultLog.mdb” file.
2. Open the “Exposure Result” table.
3. Turn on/off check boxes in the “EntryFlag” column accordingly.
 - To add a log item, check the relevant check box.
 - To delete a log item, uncheck the relevant check box.

EntryFlag	Num	CsvFieldName	Group	Element	VR	PrivateFlag	StringFlag	Name
<input checked="" type="checkbox"/>	1	SOP Instance UID	0008	0018	UI	0	<input type="checkbox"/>	SOPInstanceUID
<input checked="" type="checkbox"/>	2	Study Instance UID	0020	0000	UI	0	<input type="checkbox"/>	StudyInstanceUID
<input checked="" type="checkbox"/>	3	Accession Number	0008	0050	SH	0	<input type="checkbox"/>	Accession Number
<input checked="" type="checkbox"/>	4	PatientID	0010	0020	LO	0	<input type="checkbox"/>	□□ID□□
<input checked="" type="checkbox"/>	5	PatientName	0010	0010	PN	0	<input type="checkbox"/>	□□□□
<input checked="" type="checkbox"/>	6	Birth Date	0010	0030	DA	0	<input type="checkbox"/>	□□□□□□
<input checked="" type="checkbox"/>	7	Sex	0010	0040	CS	0	<input type="checkbox"/>	□□□□
<input checked="" type="checkbox"/>	8	Study Date	0008	0020	DA	0	<input type="checkbox"/>	□□□□□□
<input checked="" type="checkbox"/>	9	Study Time	0008	0030	TM	0	<input type="checkbox"/>	□□□□□□
<input checked="" type="checkbox"/>	10	MPM Code	0019	1010	CS	1	<input type="checkbox"/>	□□□□□□□□□□(MPM□□□)
<input checked="" type="checkbox"/>	11	Body Part Examined	0018	0015	CS	0	<input type="checkbox"/>	Body Part Examined(ANK□□□□)
<input checked="" type="checkbox"/>	12	ANK Menu Name	0019	1030	LO	1	<input type="checkbox"/>	ANK□□□□□□
<input checked="" type="checkbox"/>	13	Kanji Menu Name	0019	1032	LO	1	<input type="checkbox"/>	□□□□□□□□
<input checked="" type="checkbox"/>	14	S-Value	0019	1152	IS	2	<input type="checkbox"/>	CR□□□□□□
<input checked="" type="checkbox"/>	15	L-Value	0025	1013	US	1	<input type="checkbox"/>	□□□□□□
<input checked="" type="checkbox"/>	16	IP Number	0018	1004	LO	0	<input type="checkbox"/>	PlateID

FR000059.EPS

4. Use either of the following procedures to revert the modified “ExposureResultLog.mdb” file to the DR-ID 800CL-PC’s previous directory.

- Restore the setup file.
- Copy the modified “ExposureResultLog.mdb” file to the “C:\Program Files\FujiFilm\IIP\Param” folder.

◆ NOTE ◆

Note that if there are a lot of log items, the number of data items that can be stored in the log will be smaller.

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix F Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix G Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix H Setting the Exposure Index Function

When an image derived from the Image Reader is received, an index value, Deviation Index (DI), that represents the degree of deviation between the Exposure Index (EI) that is proportionate to the X-ray dose and the ideal EI value (EI_t) is calculated and then displayed.

The EI value and the DI value are displayed as overlay items.

This chapter presents the description on how to display the EI and DI values.

◆◆ CAUTION ◆◆

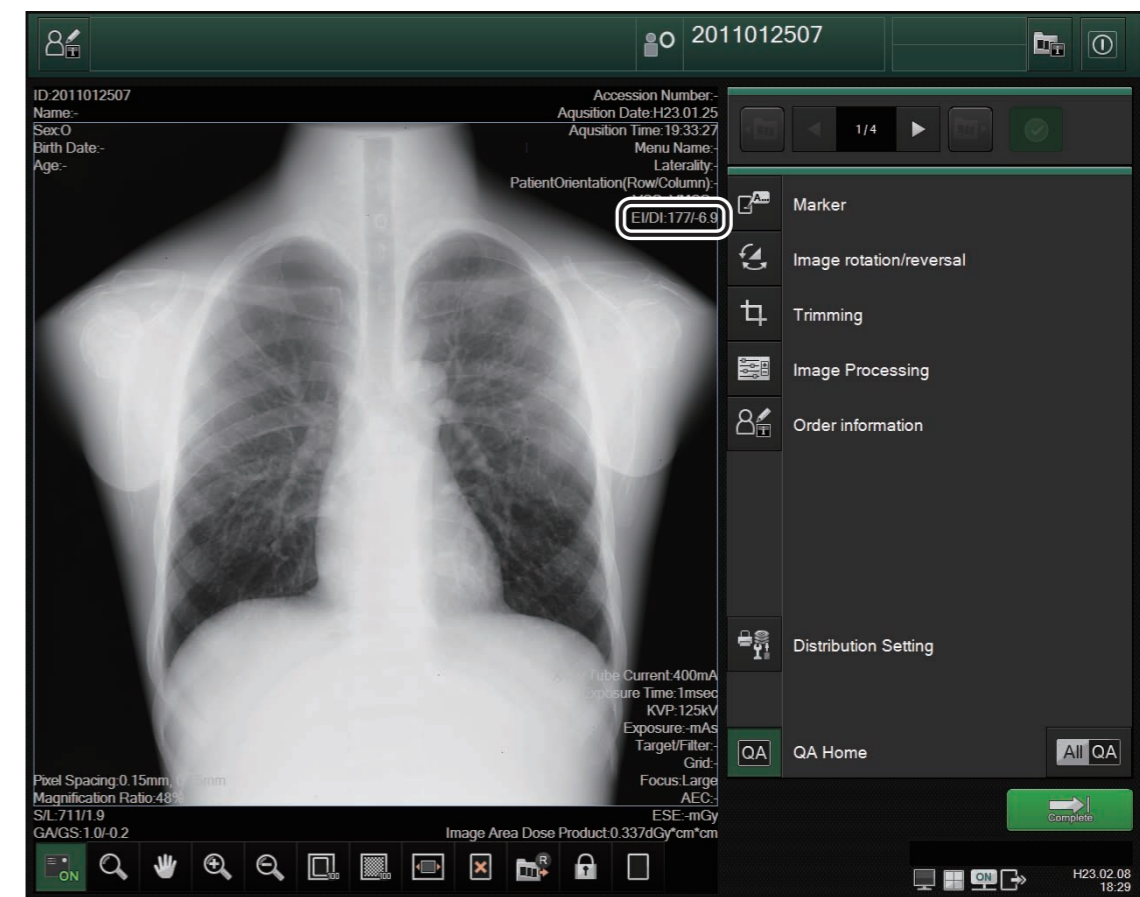
- **The used Image Reader must regularly be subjected to complete calibration processing using the Image Reader QC tool, so that the EI and DI values can be applied for the purpose of control of actual image quality.**
- **Any changes in exposure menus and/or exchange of images made with regard to a menu already subjected to exposure do not affect the functionality to display the EI and DI values (the EI and DI values will be displayed as commanded according to the functionality of the originally determined exposure menu). Note, however, that the EI and DI values will not be displayed even if an energy subtraction menu that has already been subjected to exposure is changed to an RT menu. To check the EI and DI values after changing an exposure menu or exchanging images, select a correct exposure menu and then perform study.**
- **A long-view exposure menu terminated without undergoing any image composition processing does not cause the EI and DI values to be displayed, because it is considered to have been determined a long-view exposure menu (WS) in terms of the functionality.**

◆ NOTE ◆

- *The EI and DI values to be displayed.*
- *The EI value accuracy is $\pm 20\%$.*
- *The Exposure Index function does not support the Mammography exposure menus. As a result, the EI and DI values will not be calculated leaving the relevant display boxes to be blank.*
- *The EI value and the DI value will not be output in the film output.*
- *The EI and DI values will be displayed only when the determined functionality is "RT".*
- *With respect to a study image that has already been subjected to the study, the EI and the DI values will not be recalculated even if the ideal EI value (EI_t) that is to be used as a guidepost for the exposure menu is changed.*

➔ REFERENCE

The Exposure Index will be displayed as the following window as an overlay item.



DXL040H0002.ai

■ Service Utility settings

With the use of the Service Utility capability, it is possible to enable or disable the Exposure Index function.

Table: IMAGE MODALITY setup item

No.	Name	Selection	Meaning
312	Enable Exposure Index Function	<input type="radio"/> Yes Enables the Exposure Index function. <input checked="" type="radio"/> No Disables the Exposure Index function.	Specifying whether to enable or disable the Exposure Index function.

* To display Exposure Index on the study window, it is necessary to set up in the “Overlay display item settings for incidental information” of User Utility to display the Exposure Index.

■ Saving and Outputting Exposure Index

The EI, DI and Elt values are stored under the following DICOM tags (Standard).

- EI value : (0018,1411) VR name : DS
- DI value : (0018,1413) VR name : DS
- Elt value : (0018,1412) VR name : DS

The EI value, DI value, and Elt value can be output in the following service classes (including media storage).

- DICOM Standard CR Storage (image processed)
- DICOM Private CR Storage (standardized)
- DICOM Unstandardized CR Storage (before standardized)

■ Correction coefficient parameter file

Correction coefficient specific to each of the Image Readers (cassette type: IP VN/VI, dual-side cassette type: ST-BD, built-in type) are stored in the “ExposureIndex.prm” file that is located under the following folder.

C:\Program Files\FujiFilm\IIP\Config\ExposureIndex.prm

Do not change unless it is absolutely necessary to do so.

➡ REFERENCE

The Backup/Restore function that the Service Utility capability offers is available for the “ExposureIndex.prm” file.

BLANK PAGE

BLANK PAGE

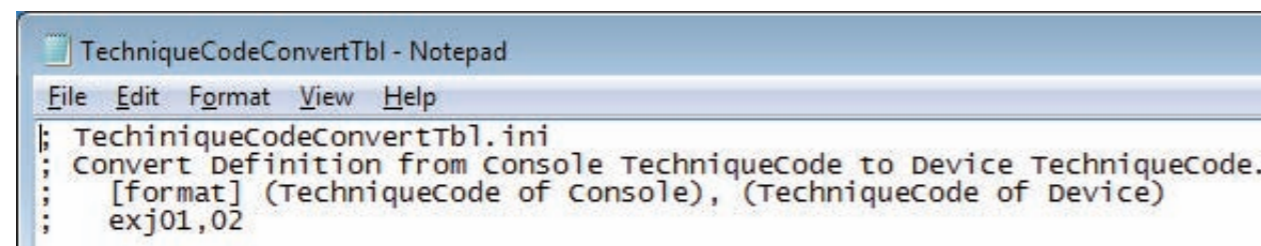
Appendix I Setting the Technique Code

By editing the conversion file (TechniqueCodeConvertTbl.ini), different exposure panels and tubes can be specified for one technique code.

Conversion files are stored in the following.

C:\Program Files\FujiFilm\IIP\Config\TechniqueCodeConvertTbl.ini

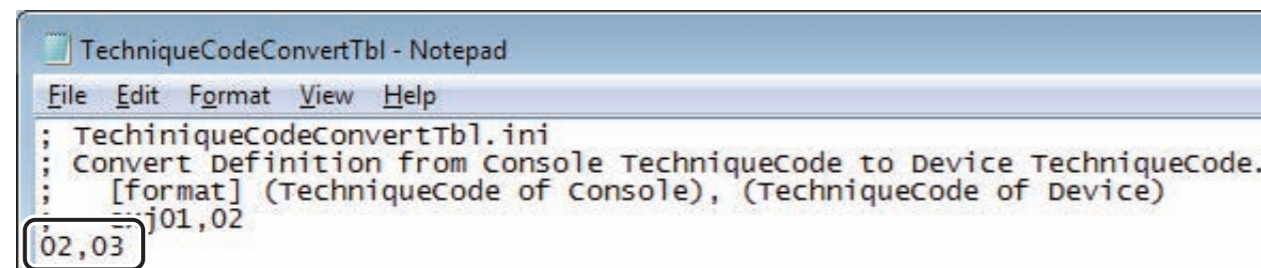
The default setting of the conversion file is as follows.



```
TechniqueCodeConvertTbl - Notepad
File Edit Format View Help
; TechniqueCodeConvertTbl.ini
; Convert Definition from Console TechniqueCode to Device TechniqueCode.
; [format] (TechniqueCode of Console), (TechniqueCode of Device)
; exj01,02
```

DXL04010003.ai

When the selector is set to “Technique code: 02” in DR-ID 800CL and is selected on the study window, edit the file as follows if you want to send “Technique code: 03” to the external device.



```
TechniqueCodeConvertTbl - Notepad
File Edit Format View Help
; TechniqueCodeConvertTbl.ini
; Convert Definition from Console TechniqueCode to Device TechniqueCode.
; [format] (TechniqueCode of Console), (TechniqueCode of Device)
; exj01,02
; 02,03
```

DXL04010004.ai

◆ NOTE ◆

Value of the technique code is sent to the external device after being converted with the “TechniqueCodeConvertTbl.ini” file; however, Value of the detector ID is sent to the external device as it is selected in the selector.

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix J DICOMTagEditTool

This section describes commands of “DICOMTagEditTool” and their setting procedures.

◆ NOTE ◆

- Back up the current conversion file before editing the conversion file using DICOMTagEditTool.
- When replacing the conversion file, terminate DR-ID 800CL in advance.

1. Functions and Overview of DICOMTagEditTool

“DICOMTagEditTool” is a tool to support editing of the DICOM tags.

Settable SOP classes and functions, tag conversion file to be created, and screen structure of the tool are as follows.

■ Settable SOP classes and functions

Target SOP class and function	Overview
DICOM MWLC-FIND-RQ Tag Setting	Edit the tag for which RIS is inquired of with DICOM MWL C-FIND-RQ.
DICOM MWLC-FIND-RP Tag Setting	Edit the tag received from RIS with DICOM C-FIND-RP.
DICOM MPPS N-CREATE Tag Setting	Edit the tag to be notified of RIS with DICOM MPPS N-CREATE.
DICOM MPPS N-SET Tag Setting	Edit the tag to be notified of RIS with DICOM MPPS N-SET.
DICOM STORAGEEC-STORE Tag Setting <ul style="list-style-type: none"> • PrivateCRStorage • PrivateUnstandardizedCRStorage • CRImageStorage • DXImageStorageForPresentation • DXImageStorageForProcessing • MGImageStorageForProcessing • MGImageStorageForPresentation 	Edit the tag to be output to storage with DICOM C-STORE. Make individual tag editing setting for each SOP class.

■ Tag conversion files to be created

SOP class name	Service name	File name to be edited
PrivateCRStorage	C-STORE	DDT_CRPrv.xml
PrivateUnstandardizedCRStorage		DDT_CRPrvUnst.xml
CRImageStorage		DDT_CRStd.xml
DXImageStorageForPresentation		DDT_DXPres.xml
DXImageStorageForProcessing		DDT_DXProc.xml
MGImageStorageForProcessing		DDT_MGProc.xml
MGImageStorageForPresentation		DDT_MGPres.xml
ModalityWorklistIMFIND	C-FIND-RQ	DDT_MWL_RQ.xml
	C-FIND-RP	DDT_MWL_RP.xml
ModalityPerformedProcedureStep	N-CREATE	DDT_MPPS_NC.xml
	N-SET	DDT_MPPS_NS.xml

■ Screen structure of DICOMTagEditTool

The screenshot shows the DICOMTagEditTool interface. On the left is a tree view of DICOM tags, with 'RIS1' selected under 'ModalityWorklistIMFind[RESPONSE]'. The main area is a table with columns for Condition, Src, Dst, and Command. Below the table are input fields for SRC, Condition, and DST, along with buttons for 'Create' and 'Delete'.

Condition	Src	Dst	Command
("00080008{0}" equal "ORIGINAL")	00080016	00080018	copy -T
("00080008{0}" equal "ORIGINAL") and ("00080008{0}" exist "")	(HEAD,8)	00080070	cut
("00080008{98}" not_exist "")	(TEST)	00231010/002...	set
	00080008{0}		delete
	00080070	00080080	move -L

Callouts in the image:

- I: Tree view
- II: New button
- III: Load button
- IV: Save button
- V: Input field for tag name (SYNAPSE)
- VI: Delete button
- VII: Copy button
- VIII: Test button
- IX: Main table
- X: Condition dropdown
- XI: Create button
- XII: Delete button

DXCL0304J001.ai

- **I.** Operation definition selection list (hereinafter referred to as SOP list)
AE titles registered in each SOP class are listed.
 - The “Default” AE are registered by default. (cannot delete them)
 - AE titles can be changed in accordance with the setting of DR-ID 800CL in each institutes.
(However, same AE title cannot be added.)

- **II.** Create button
Initialize the SOP list status.

- **III.** Load button
Load a created tag conversion file, and display it as a conversion rule of the selected SOP class.

- **IV.** Save button
Create a tag conversion file from the selected SOP class. Log file can be output when you place a checkmark to “log”.

Log output destination : C:\Program Files\Fujifilm\IIP\Log\

File name : Same as the tag conversion file name,
whose extension is replaced to “.log”

◆ **NOTE** ◆

When confirming output log files in “3.4 Testing the Saved Tag Conversion Files”, create the aforementioned log file output destination folder in advance.

- **V.** AE creation button
Add an AE title, input into the text box, to the selected SOP class.
- **VI.** AE deletion button
Delete the selected AE title.
- **VII.** AE copy button
Copy the contents of the selected AE title to another AE title in the same SOP class.

- **VIII.** Test button
Select one of the following files and folders, and execute the process of the tag editing function.

1. Tag conversion file targeted for testing
2. Setup file (schema)
3. Tag dictionary file
4. DDO file to be input
5. Folder for storing output DDO files

Confirm that the created conversion file works as intended by inputting the tag conversion file created with the DICOMTagEditTool and by checking the log file to be generated at the time of converting and output DDO file.

 For detailed testing procedures, see “3.4 Testing the Saved Tag Conversion Files”.

◆ **NOTE** ◆

Only the conversion rule of “Default” can be tested. Settings created for each AE title need to be tested with DR-ID 800CL.

- **IX.** Operation definition list
A list to display operation definitions.

-
- **X.** Operation definition items to be configured
 - SRC text box in the 1st line:
Component of the 1st conditional equation to judge whether to perform the operation.
 - Condition pull-down in the 1st line:
Logical instruction of the 1st conditional equation.
 - DST text box in the 1st line:
Component of the 1st conditional equation to judge whether to perform the operation.
 - and/or pull-down:
Logical instruction to be used when the logical operation spans 2 lines.
 - SRC text box in the 2nd line:
Component of the 2nd conditional equation to judge whether to perform the operation.
 - Condition pull-down in the 2nd line:
Logical instruction of the 2nd conditional equation.
 - DST text box in the 2nd line:
Component of the 2nd conditional equation to judge whether to perform the operation.
 - SRC text box in the 3rd line:
Describe the input information, which is the component of the operation.
 - Operation pull-down in the 3rd line:
Select an operation.
 - DST text box in the 3rd line:
Describe the output information, which is the component of the operation.
 - **XI.** Operation definition addition button
Add an operation definition.
 - **XII.** Operation definition deletion button
Delete an operation definition selected in the operation definition selection list (**IX.** in the DICOMTagEditTool window).

2. Setting up the DICOMTagEditTool

■ Operation environment

Use a PC to which either one of the following OS is installed.

- Windows VISTA Business SP2 (32bit version)
- Windows 7 Professional (32bit version)

■ Tool installation

◆ NOTES ◆

- *When using the DICOMTagEditTool in a PC to which the DR-ID 800CL has been installed, install the tool in a folder other than “C:\Program Files\FujiFilm\IIP\System”.*
 - *When “DICOMTagEditTool” has been already installed, uninstall it from “Programs and Features”, and then install.*
 - *When an error occurs during the installation, start over from step 2.*
-

- 1. Connect the USB disk drive (JIG) to the USB port of the Mobile X-ray Unit.**
- 2. Insert the “DICOMTagEditTool” Disk into the disk drive.**
- 3. Double-click “setup.exe” in the Disk.**
→ The setup start window opens.
- 4. Click [Next].**
- 5. Click [Browse] as needed to set a setup destination folder.**
- 6. Click [Next].**
→ Installation starts.
Upon completion of the installation, a window opens to indicate completion of the setup processing.
- 7. Click [OK].**

■ Startup

- 1. Double-click “DICOMTagEditTool.exe”.**
→ The “DICOMTagEditTool” window opens.

3. Creating Tag Conversion Files

3.1 Creating the Operation Definition Selection List

Operation definitions of the AE title created with the DICOMTagEditTool are applied as tag conversion rules in the corresponding connected AE.

◆ NOTE ◆

If the connected AE and the AE title of the conversion file created with the DICOMTagEditTool do not match, the default conversion rule is applied.

■ Adding an AE

1. Select an SOP class to which you wish to add an AE title.
2. Enter the AE title to be added into the text box on the bottom left of the window, and click [Create].
→ The AE title is added to the selected SOP class.

■ Deleting an AE

1. Select an AE title you wish to delete, and click [Delete] on the bottom left of the window.
→ The selected AE title is deleted.

3.2 Configuring Operation Definitions

1. Select an AE title whose operation definition you wish to configure.
2. From the operation definition items, configure the conditional equation to judge whether to perform the operation.

Operator	Format	Function
equal	"tag"equal"tag"	Judged as true when the elements of the tags are the same.
	"tag"equal"(value)"	Judged as true when the element of the tag and a fixed value are the same. * A value must be put into parentheses.
not_equal	"tag"not_equal"tag"	Judged as true when the elements of the tags are different.
	"tag"not_equal"(value)"	Judged as true when the element of the tag and a fixed value are different. * A value must be put into parentheses.
exist	"tag"exist	Judged as true when a tag exists.
not_exist	"tag"not_exist	Judged as true when no tag exists.

SRC 00080008{0}	Condition equal	DST {ORIGINAL}	and
SRC 00080008{0}	Condition exist	DST	Create

DXL040J0004.ai

3. Configure an operation which is going to be applied to the DICOM tag when the conditional equation configured in step 2 is met.

Command	Option	Function	Explanation of option
Copy	T	Copy the element of the tag specified in Src to the tag specified in Dst.	When copying, spaces before and after the element are deleted.
Move	T	Move the element and the tag specified in Src to the tag specified in Dst.	When moving, spaces before and after the element are deleted.
	L		Instead of deleting the element and the tag specified in Src, the length of the element is changed to 0.
Delete	L	Delete the element and the tag specified in Src.	Instead of deleting the element and the tag specified in Src, the length of the element is changed to 0.
Set	-	A fixed value set in Src is set in the tag specified in Dst. * The Src value must be put into parentheses.	-
Cut	-	The value of the tag specified in Dst is cut at the place specified in Src. * The Src value must be put into parentheses. [Definition of Src] (HEAD, value): Specified number of digits are deleted from the head. (TAIL, value): Specified number of digits are deleted from the tail. (value 1, value 2): The number of digits, which is specified by value 2, are deleted from the position specified by value 1. (The first digit is 0).	-

DXL040J0005.ai

◆ NOTE ◆

When there is a dependence relationship in the conversion contents, the conversion process cannot consider the dependence relationship.

Src	Dst	Command
00080016	00080018	copy
00080018	00080020	copy
00080020	00080022	copy

DXL040J0002.ai

In the above case, the conversion does not take place as “00080016=00080018=00080020=00080022”, but the conversion takes place as follows.

- 00080020 in the input DDO file is put into the 00080022 in the output DDO file.
- 00080018 in the input DDO file is put into the 00080020 in the output DDO file.
- 00080016 in the input DDO file is put into the 00080018 in the output DDO file.

4. Click [Create] at the upper right of the window.

→ The created definition is added into the operation definition list.

3.3 Saving Tag Conversion Files

Save the operation definition created in “3.2 Configuring an Operation Definition” as a tag conversion file.

- 1. Select an SOP under which the created operation definition is to be saved from the operation definition selection list.**
- 2. Place a checkmark to “log” as needed, and click [Save].**
- 3. Specify a file saving destination.**

3.4 Testing the Saved Tag Conversion Files

Test the tag conversion file saved in “3.3 Saving Tag Conversion Files”.

1. Click [Test].

→ A window to select a tag conversion file to be tested opens.

2. Select a tag conversion file to be tested.

File name (variation)	Directory
DDT_CRPrv.xml DDT_CRPrvUnst.xml DDT_CRStd.xml DDT_DXPres.xml DDT_DXProc.xml DDT_MWL_RQ.xml DDT_MWL_RP.xml DDT_MPPS_NC.xml DDT_MPPS_NS.xml DDT_MGProc.xml DDT_MGPres.xml	Specify arbitrarily.

→ A window to select a setup file (schema) opens.

3. Select a setup file (schema).

File name (variation)	Directory
ddotranslator_schema.xsd	C:\Program Files\ DICOMTagEditTool\Resource

→ A window to select a DICOM tag dictionary file opens.

4. Select a DICOM tag dictionary file.

File name (variation)	Directory
dx_private_tag.csv	C:\Program Files\ DICOMTagEditTool\Resource

→ A window to select an input DDO file opens.

5. Select an input DDO file.

File name (variation)	Directory
Specify arbitrarily. The following sample files are in the installer. <ul style="list-style-type: none"> • Sample_STORAGE.INF (for overall STORAGE) • Sample_MWL_RQ.INF (for DDT_MWL_RQ.xml) • Sample_MWL_RP.INF (for DDT_MWL_RP.xml) • Sample_MPPS_NC.INF (for DDT_MPPS_NC.xml) • Sample_MPPS_NS.INF (for DDT_MPPS_NS.xml) 	Specify arbitrarily. <ul style="list-style-type: none"> * Sample files in the installer are stored in the following directory. “C:\Program Files\ DICOMTagEditTool\SampleDDO” * Specify a corresponding DDO for the SOP to be tested.

6. Select a folder to which the output DDO file is to be stored.

File name (variation)	Directory
Specify arbitrarily. (If the folder does not exist at the time of testing, the folder is newly created.)	Specify arbitrarily.

→ Result of the tag conversion (SUCCESS/FAILURE) is output.

7. Check the generated DDO file to confirm whether the created conversion file operated as intended.

◆ NOTE ◆

When a checkmark is placed to “log” at the time of saving the tag conversion file, check the log to confirm whether the created tag conversion file operated as intended.

3.5 Applying Tag Conversion Files

Apply the tag conversion files confirmed in “3.4 Testing the Saved Tag Conversion Files”.

1. Start up Explorer and open “C:\Program Files\FujiFilm\IIP\Config” folder.
2. Copy the file created in “3.4 Testing the Saved Tag Conversion Files” step 6 to “C:\Program Files\FujiFilm\IIP\Config” folder.

4. Details of Each Command

4.1 Details of Operation Commands

Command	SRC	DST	Explanation	Condition to be skipped	Option	Explanation of option
copy	tag	tag	Copy the element of a tag to another tag. VR value in the DICOM tag dictionary is used. When VR cannot be resolved with the dictionary (including the case of UN), VR value of the copy source is used. When the destination tag does not exist, it will be created. When the parent tag of SQ is specified in SRC, its subelements are all copied. In this case, specify the parent tag of SQ also in DST. Subelement of SQ cannot be specified in DST.	When the tag to be copied does not exist.	T	When copying, spaces before and after the element are deleted.
move	tag	tag	Move a tag and its element to another tag. VR value in the DICOM tag dictionary is used. When VR cannot be resolved with the dictionary (including the case of UN), VR value of the copy source is used. When the destination tag does not exist, it will be created. When the parent tag of SQ is specified in SRC, its subelements are all moved. In this case, specify the parent tag of SQ also in DST. Subelement of SQ cannot be specified in DST.	When the tag to be moved does not exist.	T	When moving, spaces before and after the element are deleted.
					L	Instead of deleting the input tag and its element, the length of the element is changed to 0.
delete	tag	-	Delete a specified tag and its element.	When the tag to be deleted does not exist.	L	Change the length of the source tag element to 0.

Command	SRC	DST	Explanation	Condition to be skipped	Option	Explanation of option
set	value	tag	<p>Put a fixed value into a tag. When the setup destination tag does not exist, it is created automatically with the dictionary being referenced for its VR. If the VR does not exist in the dictionary, the VR is set as UN. Value is assigned according to the following assignment method, with VR of the storage destination tag being referenced.</p> <ul style="list-style-type: none"> Character string is assigned when VR is one of the following: AE AS CS DA DS DT IS LO LT PN SH ST TM UI UT Character string of decimal number is assigned as numerical value when VR is one of the following: FL FD SL SS UL US <p>When the input value exceeds the limit value, an error is returned. No error is returned for cancellation of digits. Ex. Character string 70000 -> 16 bit Signed integer (An error is returned as this cannot be stored.) Ex. Character string 10.4 -> 16 bit Unsigned integer 10</p> <ul style="list-style-type: none"> Little endian hex character string is assigned as byte sequence when VR is one of the following: AT OB OF OW Ex. Character string 0xFF00FF00 -> 16 bit byte sequence 0xFF00FF00 (Add 0x to the beginning of the binary data. Do not add 0x when you want to replace character string to binary data.) An error is returned for SQ tag. <p>* The value must be put into parentheses. * Subelements of SQ cannot be specified in DST.</p>	-	-	-
cut	value	tag	<p>Value of a tag is cut at the specified place. VR must be one of the following VRs for character strings. AE AS CS DA DS DT IS LO LT PN SH ST TM UI UT</p> <p>SRC value retains values separated by a comma, and perform the corresponding processing. HEAD, value : Specified number of digits are deleted from the head. TAIL, value : Specified number of digits are deleted from the tail. value 1, value 2 : The number of digits, which is specified by value 2, are deleted from the position specified by value 1. (The first digit is 0).</p> <p>Example of SRC : HEAD, 1 Delete 1 character from the head. * Describe a decimal integer for value.</p> <p>* The value must be put into parentheses. * Subelements of SQ cannot be specified in DST.</p>	When the tag to be cut does not exist.	-	-

4.2 Details of Judgment Command

Command	SRC	DST	Explanation	Option	Explanation of option
equal	tag	tag	Judged as true when the elements of the SRC tag and DST tag are the same. For numerical VRs, elements are all unified into float, and then compared. When comparing character string to numerical value, the character string is converted into numerical value and then compared. When comparing elements of SQ tags, subelements are also compared.	W	Compare using a wild card.
	value	tag	When VR of tags are for character strings (AE AS CS DA DS DT IS LO LT PN SH ST TM UI UT), comparison using the wild card can be operated by adding an option. Ex. : *ES* Inclusion matching is checked. : TES* Forward matching is checked. : *EST Backward matching is checked. : TEST Exact matching is checked. When option is not set, only exact matching is checked. When VR of tags are for numerical value, the values are converted into numerical values and then compared. When VR of tags are for binary data, exact matching is checked. * The value must be put into parentheses. * The wild card can be used only for forward matching and backward matching. It cannot be used for partial matching such as "TE*ST".		
not_equal			* Judged as true when "equal" is false.		
exit			Judged as true when the tag specified in SRC exists.		
not_exit			* Judged as true when "exit" is false.		

4.3 Details on Description of Tags

■ When specifying SQ tags

When specifying SQ tags, use “/” and “()”, which is for indicating the item number.

ex): When specifying the 1st item of (0008, 0100), which is the subelement of (0004, 0008), which is the subelement of (0040, 0100).

→ “00400100(0)/00400008(0)/00080100(0)”

➔ REFERENCE

When () are omitted, all the elements can be used.

■ When accessing a target of the VM

When accessing a target of the VM, use {}.

ex): When accessing 2nd VM of (0010, 2110)

→ 00102110{1}

➔ REFERENCE

When {} are omitted or {} are used, the entire elements of the tag can be used.*

◆ NOTE ◆

When comparing tags and character strings using “equal”, {} cannot be omitted. Add {0} to the tag number even when the VM of the tag is 1.

■ When VR of tags are PN

When VR of tags are PN, the following description can be used.

Group number, Element number [Component group][Component]

ex): When (0010,0010) is “FUJI^TAROU”

→ “TAROU” can be retrieved with “00100010{0}[0][1]”.
“FUJI^TAROU” can be retrieved with “00100010[0]”.

A set of component can be retrieved by combining specifications of VMs.

ex): When (0040, 1010) is “FUJI^TAROU\MORITA^KEIICHI”.

→ “TAROU\KEIICHI” can be retrieved with “00401010{*}[0][1]”.

5. Setup Example

5.1 Example of Copying/Deleting Tag in DICOM by Using DICOM Storage

To give an example, tag information are edited as following.

- When (0008, 1010) tag exists, (0008, 1010) tag is deleted.
- The value of (0019, 1090) tag is copied to (0018, 5101) tag.

Settings in this case are as follows.

No		SRC	Condition/Operation	DST
1	Condition	00081010	exist	
	Operation	00081010	delete	
2	Operation	00191090	copy	00185101

5.2 Example of Setting Fixed Value According to Tag Value by Using DICOM Storage

To give an example, tag information are edited as following.

- When the value of (0008, 1401) tag is "0301", set the value of "TEST1" for (0008, 1030) tag.
- When the value of (0008, 1401) tag is "0302", set the value of "TEST2" for (0008, 1030) tag.

Settings in this case are as follows.

No		SRC	Condition/Operation	DST
1	Condition	00081401{0}	equal	(0301)
	Operation	(TEST1)	set	00081030
2	Condition	00081401{0}	equal	(0302)
	Operation	(TEST2)	set	00081030

◆ NOTE ◆

*When comparing tag and character string with "equal", {0} must be added to the tag number even when the VM of the tag is 1.
(Specification of the VM {} cannot be omitted.)*

5.3 Example of Adding/Deleting Tag in DICOM by Using DICOM MWM

● Procedure of taking over to conversion rule

By using DICOM MWM, the following tag information can be edited.

- Selection of tags for which RIS is inquired of
- Setup of internal data copying for tags received from the RIS

In DICOMTagEditTool, the abovementioned 2 types of setup are divided into separate definitions (Request[RQ]\Response[RP]). Therefore, procedures to take over the setup to each conversion rule are described below.

SOP class name	Explanation	File name
ModalityWorklistIMFIND	C-FIND-RQ	DDT_MWL_RQ.xml
	C-FIND-RP	DDT_MWL_RP.xml

○ ModalityWorklistIMFIND[REQUEST]

When conversion rule is not generated, tags in accordance with the DICOM conformance are used for inquiring of the RIS.

 **For list of tags to be inquired for, see “MWM-SCU Application Entity Specification” in the conformance.**

Create a conversion rule of the DICOMTagEditTool for difference from the tags to be inquired for, which are defined in the DICOM conformance.

<Format to be described in the conversion rule>

	SRC	Operation	DST
Operation	() *	set	Additional tag numbers for which you are going to inquire of the RIS
Operation	Tag numbers for which you do not want to inquire of the RIS	delete	-

* Set a blank tag for a tag to be inquired of.

○ ModalityWorklistIMFIND[RESPONSE]

When mapping is set up, generate the conversion rule in the following format.

<Format to be described in the conversion rule>

	SRC	Operation	DST
Operation	Mapping-source tag number	copy	Mapping-destination tag number

* When specifying a tag within the SQ tag, separate SQ with “/” like “00400100/00400008/00080100”.

To set a fixed value for any specified tag, generate the conversion in the following format.

<Format to be described in the conversion rule>

	SRC	Operation	DST
Operation	(Set value)	set	The tag number for which a fixed value is set.

● **DICOM MWM C-FIND setup example**

○ When inquiring for tags

Conversion rule for inquiring for DistributionCode (00091090) in addition to “MWM SCUApplication Entity Specification” of the conformance is shown below.

No		SRC	Condition/Operation	DST
1	Operation	()	set	00091090

○ When copying received tags

Conversion rule for copying the received Accession Number (0008,0050) to the Study ID (0020,0010) is shown below.

No		SRC	Condition/Operation	DST
1	Condition	00080050	exit	
	Operation	00080050	copy	00200010

○ When setting the fixed value to the received tags

The patient name and menu name may turn into garbled characters when the received study is opened since the value of the specific character set (0008, 0005) is different from the character set which can be used in DR-ID 800CL. In this case, you can avoid garbled characters by set a fixed value for the specific character set (0008, 0005).

<When using the one-byte kana code and kanji code>

	SRC	Operation	DST
Operation	(ISO 2022 IR 13\ISO 2022 IR 87)	set	00080005

<When using the European character code 1>

	SRC	Operation	DST
Operation	(ISO_IR 100)	set	00080005

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix K Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix L CS Edit Tool for Storage

This chapter describes the commands and procedures of the CS Edit Tool for Storage.

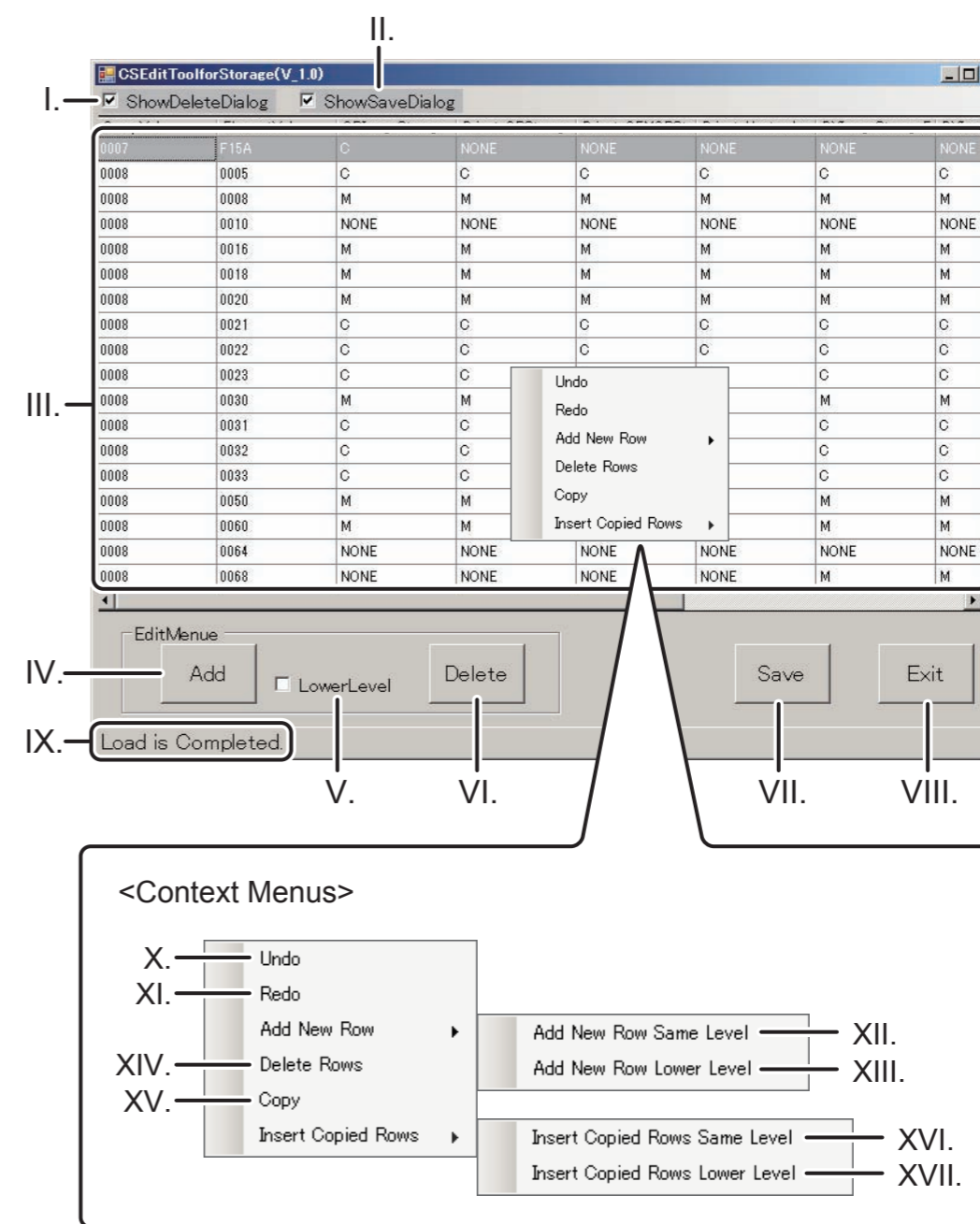
◆ NOTE ◆


If you extend DICOM tags using “DicomTagEditTool” and “CSEditToolforStorage”, be sure to test and check whether the storage output of the extended DICOM tags is properly done.

1. Functions and Overview of CS Edit Tool for Storage

The CS Edit Tool for Storage is the tool that adds/deletes/edits tags in the definition file (DicomStorageTag.mdb) for the DICOM tags which are to be output from DR-ID 800CL for storage.

■ Screen structure of CS Edit Tool for Storage



No	Object/ Name	Description
I	“ShowDeleteDialog” check box	Sets display/no-display of deletion confirmation dialog when deleting the line displayed in the list data display section.
II	“ShowSaveDialog” check box	Sets display/no-display of the saving confirmation dialog when ending this tool without saving editing results.
III	List data display section	<p>Displays list data of “DicomStorageTag.mdb”.  “List data display section”</p> <p><Behavior when clicking></p> <ul style="list-style-type: none"> When clicking a cell: The entire row including clicked cell is selected. * Multiple rows can be selected by clicking rows while pressing the Ctrl key. When double-clicking a cell: Double-clicked cell becomes editable. When right clicking: Context menu is displayed. <p><Color of cells></p> <ul style="list-style-type: none"> Grey: Cell/row of selected status Yellow: Cell/row edited when executing this tool Red: Cell/row including error
IV	[Add] button	Add a new row to the same hierarchy as the row selected in the list data display section. * When selecting multiple rows, execution is impossible.
V	“Lower Level” check box	Set whether or not to add a new row to one lower level hierarchy. Change the row selected in the list data display section to the SQ tag and to add a new row to one lower level hierarchy upon clicking the "Add" button.
VI	[Delete] button	Delete the row selected in list data display section. * When selecting multiple rows, execution is possible.

No	Object/ Name	Description	
VII	[Save] button	Save editing results in “DicomStorageTag.mdb”. In parallel with saving, rows are sorted in ascending order based on GroupValue and ElementValue.	
VIII	[Exit] button	Exit CS Edit Tool for Storage.	
IX	Status bar	Displays processing status when saving results of editing tag.	
X	“Undo” menu	Cancel the previous editing operation.	
XI	“Redo” menu	Returns to the editing operation cancelled by “Undo”.	
XII	“Add New Row” menu	“Add New Row Same Level” menu	Add a new row to the same level hierarchy as the line being selected at the list data display section.
XIII		“Add New Row Lower Level” menu	Add a new row to one lower level hierarchy of the row selected in the list data display section.
XIV	“Delete Row” menu	Delete the row selected in the list data display section. * When selecting multiple rows, execution is possible.	
XV	“Copy” menu	Copy the row selected in the list data display section and also to copy the row matching to the row selected simultaneously. Upon executing editing function after copying, copied data are reset. * When selecting multiple rows, execution is impossible.	
XVI	“Insert Copied Rows” menu	“Insert Copied Rows Same Level” menu	Insert copied row to the same level hierarchy as the row selected in the list data display section. * When selecting multiple rows, execution is impossible.
XVII		“Insert Copied Rows Lower Level” menu	Insert copied row to one lower level hierarchy of the row selected in the list data display section. * When selecting multiple rows, execution is impossible.

■ List data display section

● DICOM tag and SOP class

Each row in the list display section indicates DICOM tag, and DICOM tag is identified by the head 2 columns “GroupVal” and “ElementVal”.

Each SOP class is indicated from the third column onward, and the output parameter of each tag is displayed.

◆ NOTE ◆

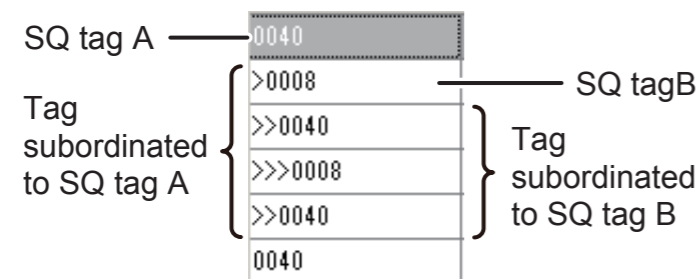
When specifying “M” with the tag output parameter, specify the tag to be output for save from DR-ID 800CL.

Parameter	Description
C	Outputs tag if it exists.
M	Always outputs tag.
NONE	Does not output tag.

● SQ tag

With CS Edit Tool for Storage, the depth of the tag hierarchy structure is indicated by the number of “>” in “GroupVal” column.

if a tag has other tag(s) under itself, it is the SQ tag.



DXCL06040L003.ai

2. Setting up the CS Edit Tool for Storage

2.1 Operating Environment

◆ **NOTE** ◆

The CS Edit Tool for Storage can be used only in an environment where the DR-ID 800CL has already been installed.

Console	Version	OS
DR-ID 800CL	V7.0 or later	Windows 7 SP1 (32bit version)

2.2 Tool Installation

◆ **NOTE** ◆

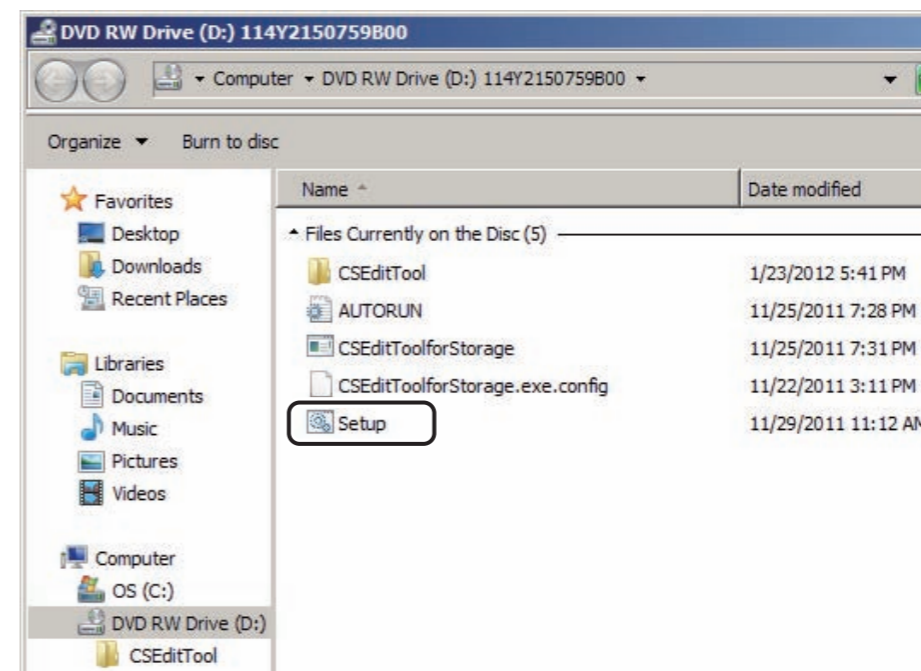
When an error occurs during the installation, start over from step 1.

1. Connect the USB disk drive (JIG) to the USB port of the Mobile X-ray Unit.
2. Insert the “CSEditToolforStorage” CD into the PC.

◆ **NOTE** ◆

If the “AutoPlay” window opens, select “Setup.bat” and proceed to step 3.

3. Start up Explorer and double-click “Setup.bat”.

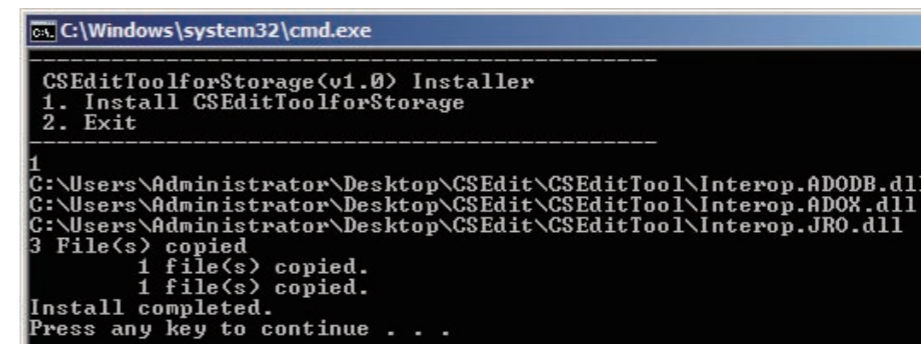


DXCL06040L018.ai

→ The installation window of CSEditToolforStorage opens

4. Enter “1” and press the <Enter> key.

→ The following window opens.



DXCL06040L019.ai

5. Press the “Enter” key.

→ The command prompt window closes.


6. Remove “CSEditToolforStorage” CD disk from PC.

2.3 Starting/Shutting Down the CS Edit Tool for Storage

■ Advance preparation

1. Copy the “C:\Program Files\FujiFilm\IIP\Config\DicomStorageTag.mdb” file, and paste it to an arbitrary place, such as “My Document”.

■ Startup

1. Shut down the DR-ID 800CL-AP.
→ The DR-ID 800CL exits returning then to the desktop.
2. Right-click  in the task tray, and select “End”.
3. Double-click “C:\Program Files\FujiFilm\IIP\System\CSEditToolforStorage.exe”.

◆ NOTE ◆

- Do not move “CSEditToolforStorage.exe” from “C:\Program Files\FujiFilm\IIP\System” folder.
- When you are using CSEditToolforStorage, do not start up DR-ID 800CL.
- CS Edit Tool for Storage cannot be started up multiply.

→ The login screen opens.

4. Enter “fieldengineer” and click [Login].

◆ NOTE ◆

The login password of the “CSEditToolforStorage” is the same as that of the “IIP Service Utility”.

→ The DB editing screen opens.

■ Shutdown

1. Click [Exit], or press the <Alt> + <F4> keys.

→ The saving confirmation screen opens.

◆ NOTE ◆

In the following cases, the CS Edit Tool for Storage exits without the saving confirmation screen opening.

- When the checkmark is not placed to the “ShowSaveDialog”.
- When you have saved the edited contents before shutting down the “CS Edit Tool for Storage”.

2. Click [Yes].

◆ NOTE ◆

In the following cases, the editing results in an error (the cell is displayed in red) and cannot be saved.

- When a value other than 4 digits 16 hexadecimal has been input in “GroupValue” or “ElementValue”.
- When an input parameter of SOP other than C/M/NONE has been input.
- When a combination of “GroupValue” and “ElementValue” overlaps in the highest hierarchy (tag not having “>”).

→ The editing contents are saved, and the “CS Edit Tool for Storage” exits.

3. Operation list of Editing Functions

No	Function	Type	Operation
1	Row addition (Same hierarchy as selected row)	Editing function display section	Click [Add].
		In context menu	Select "Add New Row Same Level".
		Shortcut keys	Press the <Ctrl> + <+> keys with row selected.
2	Row addition (1 level lower hierarchy of selected row)	Editing function display section	After placing the checkmark to the "Lower Level" check box, and click [Add].
		In context menu	Select "Add New Row Lower Level".
		Shortcut keys	Press the <Ctrl> + <Shift> + <+> keys.
3	Row deletion	Editing function display section	Click [Delete].
		In context menu	Select "Delete Rows".
		Shortcut keys	Press the <Delete> key.
4	Cell edition (1, 2 column)	Editing function display section	Double-click the cell.
		In context menu	-
		Shortcut keys	Press the <F2> key.
5	Cell edition (From 3rd column onward)	Editing function display section	Double-click the cell.
		In context menu	-
		Shortcut keys	Press the <F4> key.
6	Copy	Editing function display section	-
		In context menu	Select "Copy".
		Shortcut keys	Press the <Ctrl> + <C> keys.

No	Function	Type	Operation
7	Paste (Same hierarchy as selected row)	Editing function display section	-
		In context menu	Select "Insert Copied Rows Same Level".
		Shortcut keys	Press the <Ctrl> + <V> keys.
8	Paste (1 level lower hierarchy of selected row)	Editing function display section	-
		In context menu	Select "Insert Copied Rows Lower Level".
		Shortcut keys	Press the <Ctrl> + <Shift> + <V> keys.
9	Undo	Editing function display section	-
		In context menu	Select "Undo".
		Shortcut keys	Press the <Ctrl> + <Z> keys.
10	Redo	Editing function display section	-
		In context menu	Select "Redo".
		Shortcut keys	Press the <Ctrl> + <Y> keys.
11	Save	Editing function display section	Click [Save].
		In context menu	-
		Shortcut keys	Press the <Ctrl> + <S> keys.
12	Exit	Editing function display section	Click [Exit].
		In context menu	-
		Shortcut keys	Press the <Alt> + <F4> keys.

4. Editing Samples

➔ REFERENCE

The context menu and shortcuts can also be used in the operation procedures other than the following.

☞ “3. Operation list of Editing Functions”

■ When outputting “0007,0001” tag only to SOP class “CRImageStorage”

1. Select an arbitrary row in the highest hierarchy (tag not having “>”).

GroupVal	ElementVal	CRImageStorage	PrivateCRStorage	PrivateOE
0008	0005	C	C	C
0008	0008	M	M	M
0008	0010	NONE	NONE	NONE
0008	0016	M	M	M
0008	0018	M	M	M
0008	0020	M	M	M
0008	0021	C	C	C
0008	0022	C	C	C

DXCL06040L006.ai

2. Click [Add].

➔ A new row is added.

GroupVal	ElementVal	CRImageStorage	PrivateCRStorage	PrivateOE
0008	0005	C	C	C
FFFF	FFFF	C	C	C
0008	0008	M	M	M
0008	0010	NONE	NONE	NONE
0008	0016	M	M	M
0008	0018	M	M	M
0008	0020	M	M	M
0008	0021	C	C	C
0008	0022	C	C	C

DXCL06040L007.ai

3. In the created new row, double-click the cell of “GroupVal” column, and enter “0007”.

GroupVal	ElementVal	CRImageStorage	PrivateCRStorage	PrivateOE
0008	0005	C	C	C
0007	0001	C	NONE	NONE
0008	0008	M	M	M
0008	0010	NONE	NONE	NONE
0008	0016	M	M	M
0008	0018	M	M	M
0008	0020	M	M	M
0008	0021	C	C	C
0008	0022	C	C	C

DXCL06040L013.ai

4. In the created new row, double-click the cell of “ElementVal” column, and enter “0001”.

GroupVal	ElementVal	CRImageStorage	PrivateCRStorage	PrivateOE
0008	0005	C	C	C
0007	0001	C	NONE	NONE
0008	0008	M	M	M
0008	0010	NONE	NONE	NONE
0008	0016	M	M	M
0008	0018	M	M	M
0008	0020	M	M	M
0008	0021	C	C	C
0008	0022	C	C	C

DXCL06040L014.ai

5. In the created new row, set the cell of “CRImageStorage” column to “C”.

➔ REFERENCE

It has already been set to “C” by default.

GroupVal	ElementVal	CRImageStorage	PrivateCRStorage	PrivateOE
0008	0005	C	C	C
0007	0001	C	NONE	NONE
0008	0008	M	M	M
0008	0010	NONE	NONE	NONE
0008	0016	M	M	M
0008	0018	M	M	M
0008	0020	M	M	M
0008	0021	C	C	C
0008	0022	C	C	C

DXCL06040L015.ai

6. In the newly created row, set “NONE” to each cell of the SOPs to which you do not need to output the tag.

GroupVal	ElementVal	CRImageStorage	PrivateCRStorage	PrivateOE
0008	0005	C	C	C
0007	0001	C	NONE	NONE
0008	0008	M	M	M
0008	0010	NONE	NONE	NONE
0008	0016	M	M	M
0008	0018	M	M	M
0008	0020	M	M	M
0008	0021	C	C	C
0008	0022	C	C	C

DXCL06040L015.ai

7. Click [Save].

→ The editing contents are saved and sorted in ascending order according to “GroupVal” and “ElementVal”.

GroupVal	ElementVal	CRImageStorage	PrivateCRStorage	PrivateOE
0007	0001	C	NONE	NONE
0008	0005	C	C	C
0008	0008	M	M	M
0008	0010	NONE	NONE	NONE
0008	0016	M	M	M
0008	0018	M	M	M
0008	0020	M	M	M
0008	0021	C	C	C
0008	0022	C	C	C

DXCL06040L009.ai

■ When changing “0007, 0001” tag to the SQ tag and subordinating the “0007, 0005” tag in the lower level hierarchy

1. Select the row of “0007,0001” tag.

GroupVal	ElementVal	CRImageStorage	PrivateCRStorage	PrivateO
0007	0001	C	NONE	NONE
>0007	0002	C	NONE	NONE
>>0007	0003	C	NONE	NONE
>>>0007	0004	C	NONE	NONE
0008	0005	C	C	C
0008	0008	M	M	M

DXCL06040L010.ai

2. Place a checkmark to the “LowerLevel” check box, and click [Add].

→ A new row is added under the line of the “007,001” tag.

GroupVal	ElementVal	CRImageStorage	PrivateCRStorage	PrivateO
0007	0001	C	NONE	NONE
>0007	0002	C	NONE	NONE
>>0007	0003	C	NONE	NONE
>>>0007	0004	C	NONE	NONE
>FFFF	FFFF	C	C	C
UUU8	UUU5	C	C	C

DXCL06040L011.ai

3. In the created new row, double-click the cell of “GroupVal” column, and enter “0007”.

GroupVal	ElementVal	CRImageStorage	PrivateCRStorage	PrivateO
0007	0001	C	NONE	NONE
>0007	0002	C	NONE	NONE
>>0007	0003	C	NONE	NONE
>>>0007	0004	C	NONE	NONE
>0007	0005	C	NONE	NONE
UUU8	0005	C	C	C

DXCL06040L016.ai

4. In the created new row, double-click the cell of “ElementVal” column, and enter “0005”.

GroupVal	ElementVal	CRImageStorage	PrivateCRStorage	PrivateO
0007	0001	C	NONE	NONE
>0007	0002	C	NONE	NONE
>>0007	0003	C	NONE	NONE
>>>0007	0004	C	NONE	NONE
>0007	0005	C	NONE	NONE
0008	UUU5	C	C	C

DXCL06040L017.ai

5. In the created new row, set the cell of SOP column you want to output to “C”, and set the cell of SOP column you do not want to output to “NONE”.

◆ NOTE ◆

If the parent tag (0007,0001) has been set as “NONE”, the daughter tag (0007,0005) cannot be output despite being specified as “C”.

GroupVal	ElementVal	CRImageStorage	PrivateCRStorage	PrivateO
0007	0001	C	NONE	NONE
>0007	0002	C	NONE	NONE
>>0007	0003	C	NONE	NONE
>>>0007	0004	C	NONE	NONE
>0007	0005	C	NONE	NONE
0008	0005	C	C	C

DXCL06040L012.ai

6. Click [Save].

→ The editing result is saved and sorted in ascending order according to “GroupVal” and “ElementVal”.

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix M Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix N Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix O Editing the Minimum Lengths of the User Name and Password Strings

This chapter describes the procedures for editing the minimum lengths of the user name and password strings.

1. Open the “C:\Program Files\FujiFilm\IIP\Param” folder.
2. Open the CheckAccount.ini file with Notepad (Notepad.exe).
3. Edit the minimum lengths of the user name and password strings.

```

I. [UserName]
   MinLength=1
   MaxLength=20
   CheckByte=1
   Prohibition=V|:<>?.+=*
   CheckAllSpace=1

II. [Password]
   MinLength=0
   MaxLength=20
   CheckByte=1
   Prohibition=
   CheckAllSpace=0

   ...
  
```

DXCL03040001.ai

No.	Item	Assignable character numbers	Default value
I.	Minimum length of the user name string	1 to 20 characters	1
II.	Minimum length of the password string	0 to 20 characters	0

4. Save the CheckAccount.ini file in UNICODE format and then close Notepad (Notepad.exe).

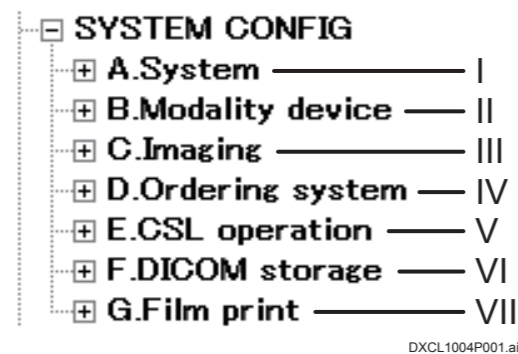
BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix P List of New Group Indications of Configuration Items (V7.3 or Later)

In V7.3 or later, the tree items under “CONFIG” - “SYSTEM CONFIG” are displayed according to the new grouping when [Group] in main menu is clicked.



The configurations are divided into 7 groups with the new group indications: the settings concerning the whole system of DR-ID 800CL (I in the figure), the settings concerning the exposure system (X-CON/CR/DR) (II), the settings concerning study/QA (III), the settings concerning the order system (IV), the settings concerning operation of DR-ID 800CL (V), the settings concerning DICOM (VI) and the settings concerning film output (VII).

Configuration items included in each group are listed below.

1. A. System

● 01. Base Setting

ID	Name	Reference
1	Language Setup for Screen Message	1. IMAGE MODALITY - No. 7
2	System Common Date Format	1. IMAGE MODALITY - No. 1
3	Institute/Site Name Strings	1. IMAGE MODALITY - No. 4
4	Institute/Site Name in Two-Byte Characters	1. IMAGE MODALITY - No. 8
5	DICOM Station Name	1. IMAGE MODALITY - No. 55
6	DICOM Series Generation Logic	1. IMAGE MODALITY - No. 13
7	System Recognition ID (A to Z)	1. IMAGE MODALITY - No. 14
8	StudyInstanceUID Generation Logic	1. IMAGE MODALITY - No. 27
9	Image Number Generation Logic	1. IMAGE MODALITY - No. 29
10	Modality Setup	1. IMAGE MODALITY - No. 54
11	Min. Set Number	5. CSL/IDT FUNCTION - No. 24
12	Max. Set Number	5. CSL/IDT FUNCTION - No. 25
13	Remaining Battery Display Format	5. CSL/IDT FUNCTION - No. 320
20	Restart Check Interval	99. CONFIG FIX - No. 2

● 02. CSL device

ID	Name	Reference
1	Monitor1 Resolution Setting	1. IMAGE MODALITY - No. 300
2	Display Pixel Size	1. IMAGE MODALITY - No. 30
3	Monitor2 Resolution Setting	1. IMAGE MODALITY - No. 320
4	Display Pixel Size for 2nd monitor	1. IMAGE MODALITY - No. 350
5	MCR Customized Card	5. CSL/IDT FUNCTION - No. 26
6	MCR Card Type (JIS/ISO)	5. CSL/IDT FUNCTION - No. 27

ID	Name	Reference
7	MCR Card Format Setup	5. CSL/IDT FUNCTION - No. 28
10	Enable 2D Barcode	5. CSL/IDT FUNCTION - No. 367

● 03. Security function

ID	Name	Reference
1	Enable Security Function	1. IMAGE MODALITY - No. 37
2	Link User Account to Operator's Name	1. IMAGE MODALITY - No. 38
3	Time Until Auto LogOff	1. IMAGE MODALITY - No. 52
4	Term Password	1. IMAGE MODALITY - No. 86
5	Notify Term Password	1. IMAGE MODALITY - No. 87
6	User Utility Guest Password	1. IMAGE MODALITY - No. 305
7	User Utility Admin Password	1. IMAGE MODALITY - No. 340
20	Use Password Security	1. IMAGE MODALITY - No. 61
21	Password for PAS Security	1. IMAGE MODALITY - No. 62

● 04. CSL management

ID	Name	Reference
1	Use Service Utility Password	1. IMAGE MODALITY - No. 67
2	Period[Days] of log keeping	1. IMAGE MODALITY - No. 313
3	RSPC Path	1. IMAGE MODALITY - No. 331
4	MaximumDataSize	99. CONFIG FIX - No. 1
5	The Priority used to filter target records when AutoDelete runs	1. IMAGE MODALITY - No. 73

● 05. Media device

ID	Name	Reference
1	Media Auto Mount	5. CSL/IDT FUNCTION - No. 114
2	Media Folder Warning Capacity	5. CSL/IDT FUNCTION - No. 306
3	Media Set Default FPD-System	5. CSL/IDT FUNCTION - No. 312
4	USB Memory Security Soft Path	1. IMAGE MODALITY - No. 69
5	Enable Media initialize button in UserUtility	1. IMAGE MODALITY - No. 324
10	PDI Drive Letter	5. CSL/IDT FUNCTION - No. 167
11	PDI Use CrLut	5. CSL/IDT FUNCTION - No. 168
12	PDI Use Multibyte	5. CSL/IDT FUNCTION - No. 170
13	PDI Transfer Syntax	5. CSL/IDT FUNCTION - No. 171
14	PDI Image Bit Stored	5. CSL/IDT FUNCTION - No. 172
15	PDI Normalized	1. IMAGE MODALITY - No. 319

● 06. Mobile setting

ID	Name	Reference
1	Software KeyBoard Program Path	1. IMAGE MODALITY - No. 68
2	Enable PowerManagement button in UserUtility	1. IMAGE MODALITY - No. 325
3	Display Battery Warning	5. CSL/IDT FUNCTION - No. 315
5	Enable Shutdown by Run out of the PC battery	1. IMAGE MODALITY - No. 343
10	Enable radio map in hospital network dialog	5. CSL/IDT FUNCTION - No. 368

● **07. Web query**

ID	Name	Reference
1	Enable Synapse WebQuery	7. CONFIG OPTION - No. 5
2	Synapse Host for Web Query	5. CSL/IDT FUNCTION - No. 115
3	Web Query Root Path	5. CSL/IDT FUNCTION - No. 116

● **08. Display Terminal**

ID	Name	Reference
1	Display Terminal Sharee Folder	5. CSL/IDT FUNCTION - No. 191
2	Patient Info File Name	5. CSL/IDT FUNCTION - No. 192
3	Display Terminal Format	5. CSL/IDT FUNCTION - No. 366

● **09. Smacon**

ID	Name	Reference
1	Range of IP addresses for the Smacon	5. CSL/IDT FUNCTION - No. 344
2	Enable ConsoleGateway on WebApplication	7. CONFIG OPTION - No. 15
5	Smacon Default Reject Comment	5. CSL/IDT FUNCTION - No. 358
10	Enable User Authentication for the Smacon	5. CSL/IDT FUNCTION - No. 360
11	Smacon Login Timeout	5. CSL/IDT FUNCTION - No. 347
12	Smacon Default Login UserName	5. CSL/IDT FUNCTION - No. 345
13	Smacon Default Login Password	5. CSL/IDT FUNCTION - No. 346

2. B. Modality device

● **01. X-CON**

ID	Name	Reference
1	Xcon Format Type	5. CSL/IDT FUNCTION - No. 108
2	Xcon Status Display Strings	5. CSL/IDT FUNCTION - No. 43
3	Xcon Serial_TX Control Port	5. CSL/IDT FUNCTION - No. 44
4	Xcon Serial_TX Control Port2	5. CSL/IDT FUNCTION - No. 136
5	Xcon Serial_TX Baudrate	5. CSL/IDT FUNCTION - No. 111
6	Xcon Serial_TX Parity	5. CSL/IDT FUNCTION - No. 142
7	Xcon No-Response Timeout	5. CSL/IDT FUNCTION - No. 112
8	Xcon Data Reception Timeout	5. CSL/IDT FUNCTION - No. 113
9	Xcon Performed Info. Reception	5. CSL/IDT FUNCTION - No. 45
10	Xcon Exposure Info. Transfer	5. CSL/IDT FUNCTION - No. 46
11	Xcon Interlock Command Transfer	5. CSL/IDT FUNCTION - No. 109
12	Serial Xcon Connection	5. CSL/IDT FUNCTION - No. 196
13	Send Xcon Detail Parameter	5. CSL/IDT FUNCTION - No. 183
14	Xcon Exposure Info. Limit Value (Minimum KVP [kV])	5. CSL/IDT FUNCTION - No. 47
15	Xcon Exposure Info. Limit Value (Maximum KVP [kV])	5. CSL/IDT FUNCTION - No. 48
16	Xcon Exposure Info. Limit Value (Minimum X-ray Tube Current [mA])	5. CSL/IDT FUNCTION - No. 49
17	Xcon Exposure Info. Limit Value (Maximum X-ray Tube Current [mA])	5. CSL/IDT FUNCTION - No. 50
18	Xcon Exposure Info. Limit Value (Minimum Exposure Time [msec])	5. CSL/IDT FUNCTION - No. 51
19	Xcon Exposure Info. Limit Value (Maximum Exposure Time [msec])	5. CSL/IDT FUNCTION - No. 52
20	Xcon Exposure Info. Limit Value (Minimum Reserve 1)	5. CSL/IDT FUNCTION - No. 53

ID	Name	Reference
21	Xcon Exposure Info. Limit Value (Maximum Reserve 1)	5. CSL/IDT FUNCTION - No. 54
30	Xcon No-Data Default Output	5. CSL/IDT FUNCTION - No. 120
31	Xcon DoseValue1	5. CSL/IDT FUNCTION - No. 117
32	Xcon DoseValue2	5. CSL/IDT FUNCTION - No. 118
33	Xcon Dose Unit	5. CSL/IDT FUNCTION - No. 364
40	mAs Auto Calculation	5. CSL/IDT FUNCTION - No. 333
41	mAs Verification	5. CSL/IDT FUNCTION - No. 334

ID	Name	Reference
3	Wait Time for Performed Exposure Info. From Xcon	5. CSL/IDT FUNCTION - No. 42
4	IP Info. Request Timeout (Reader:CSL=N:N)	5. CSL/IDT FUNCTION - No. 60
5	Enable Velocity Sensitivity Button	5. CSL/IDT FUNCTION - No. 119
6	Horizontal UMB Processing for VELOCITY & PRELIO	1. IMAGE MODALITY - No. 53
7	Enable Pantomography Processing	5. CSL/IDT FUNCTION - No. 6
8	Enable IP Use Count List	5. CSL/IDT FUNCTION - No. 140
9	Enable IP Use Count Reset	5. CSL/IDT FUNCTION - No. 141

● 02. DR

ID	Name	Reference
1	Gradients(x10) of LUT used for Preview Image	1. IMAGE MODALITY - No. 56
2	Enable High Speed Preview	1. IMAGE MODALITY - No. 316
6	Display Calibration Dialog	5. CSL/IDT FUNCTION - No. 348
7	Use X-ray Free Operation	5. CSL/IDT FUNCTION - No. 318
8	Use X-ray Free Operation Mode	5. CSL/IDT FUNCTION - No. 321
9	Use X free High Sensitive Mode	5. CSL/IDT FUNCTION - No. 352
10	Time-out Value in High Sensitive Mode	5. CSL/IDT FUNCTION - No. 353
11	MPM Code for QC Lag Image	5. CSL/IDT FUNCTION - No. 354
12	Wait time for performed exposure info. from xcon(DR)	99. CONFIG FIX - No. 3

● 03. FCR

ID	Name	Reference
1	Connection Between Reader and Console	1. IMAGE MODALITY - No. 21
2	Distribution Code for FCR5000 Series Connection	5. CSL/IDT FUNCTION - No. 55

● 04. QC function

ID	Name	Reference
1	Visible QC Record Delete Button	8. CONFIG QC - No. 1
2	Destination Path of QC Record File	8. CONFIG QC - No. 2
4	RUQC Save folder 1	8. CONFIG QC - No. 301
5	RUQC Save folder 2	8. CONFIG QC - No. 302
6	RUQC Save folder 3	8. CONFIG QC - No. 303
10	X-ray System Name for Mammography QC	8. CONFIG QC - No. 7
11	Visible MammoQC Record Delete Button	8. CONFIG QC - No. 4
12	Destination Path of MammoQC Record File	8. CONFIG QC - No. 5
13	Select CSV Output Folder	8. CONFIG QC - No. 6
14	Mammography QC Save folder 1	8. CONFIG QC - No. 304
15	Mammography QC Save folder 2	8. CONFIG QC - No. 305
16	Mammography QC Save folder 3	8. CONFIG QC - No. 306

● 05. DAP

ID	Name	Reference
1	Enable Connecting DAP Directly	7. CONFIG OPTION - No. 13
2	DAP Serial_TX Parity	5. CSL/IDT FUNCTION - No. 177
3	DAP Serial_TX Control Port	5. CSL/IDT FUNCTION - No. 178
4	DAP Message Trial Count	5. CSL/IDT FUNCTION - No. 179
5	DAP Address	5. CSL/IDT FUNCTION - No. 180
6	Wait Time for Response. From DAP	5. CSL/IDT FUNCTION - No. 181
7	DAP Status Display Strings	5. CSL/IDT FUNCTION - No. 182

3. C. Imaging

● 01. Processing

ID	Name	Reference
1	Exposure Area Margin	5. CSL/IDT FUNCTION - No. 195
2	Edge Correct RE	5. CSL/IDT FUNCTION - No. 313
3	Selection of GT Parameter Type	5. CSL/IDT FUNCTION - No. 314
4	Apply GS Filter To 8x10/1824 Image	1. IMAGE MODALITY - No. 48
5	PEM Processing in the case of Magnify Display	3. QA FUNCTION - No. 19
6	Enable Legacy Normalized Proc	1. IMAGE MODALITY - No. 355
7	GPR Processing algorithm to DRImage	5. CSL/IDT FUNCTION - No. 327

● 02. Study_Operation

ID	Name	Reference
1	Auto Menu Select	5. CSL/IDT FUNCTION - No. 1
2	Enable Six Image Display	7. CONFIG OPTION - No. 11
3	Enable Distribution Code	5. CSL/IDT FUNCTION - No. 3
4	Enable Film String	5. CSL/IDT FUNCTION - No. 4
5	Enable Function Setup	5. CSL/IDT FUNCTION - No. 5
6	EDR Mode Setup	5. CSL/IDT FUNCTION - No. 12
7	Function Setup	5. CSL/IDT FUNCTION - No. 14
8	Inherit the Menu Condition	5. CSL/IDT FUNCTION - No. 365
11	Exposure List Erasure Setup	5. CSL/IDT FUNCTION - No. 21
15	Activate Error Recovery Retrieval	1. IMAGE MODALITY - No. 3

● 03. QA_Operation

ID	Name	Reference
1	Enable Free Size Trimming	1. IMAGE MODALITY - No. 301
2	Enable Trimming size Standard (Auto+Manual)	1. IMAGE MODALITY - No. 317
3	Enable Trimming size Extended (Auto)	1. IMAGE MODALITY - No. 318
4	Enable Trimming size Extended (Manual)	1. IMAGE MODALITY - No. 351
5	Enable Image Proc. Param Update Flag	3. QA FUNCTION - No. 1
6	Alert MSG Display When Image Changed	3. QA FUNCTION - No. 10
7	Image File Type For Magnify Display	3. QA FUNCTION - No. 18
8	Enable RealTime Adjust S/L	3. QA FUNCTION - No. 25
9	ResponseSValue	3. QA FUNCTION - No. 20
10	ResponseLValue	3. QA FUNCTION - No. 21
15	Enable Adjust GA/GS by dragging	3. QA FUNCTION - No. 22
16	ResponseGA	3. QA FUNCTION - No. 23
17	ResponseGS	3. QA FUNCTION - No. 24
18	Confirm MSG Display Marker Delete When Image Rotation/Reverse	3. QA FUNCTION - No. 26
19	Marker Position When Image Rotation/Reverse	3. QA FUNCTION - No. 27
20	Enable AutoQA Complete	1. IMAGE MODALITY - No. 308
21	AutoQA Complete Time	1. IMAGE MODALITY - No. 309

● 04. Imaging support

ID	Name	Reference
1	Enable Auto Marker	5. CSL/IDT FUNCTION - No. 174
2	Enable Display Reverse Marker	5. CSL/IDT FUNCTION - No. 185
3	Reverse Marker Position [%] (X\Y)	5. CSL/IDT FUNCTION - No. 186
4	Reverse Marker Color (Fore Color-Back Color)	5. CSL/IDT FUNCTION - No. 187
5	Enable Expousre Index Function	1. IMAGE MODALITY - No. 312
6	Enable DI Warning	7. CONFIG OPTION - No. 16
7	DI Warning Lower Limit	5. CSL/IDT FUNCTION - No. 356
8	DI Warning Upper Limit	5. CSL/IDT FUNCTION - No. 357
9	Enable S/L Value View Function	5. CSL/IDT FUNCTION - No. 362
10	Enable S/L Value Restriction Function	7. CONFIG OPTION - No. 6

● 05. WS function

ID	Name	Reference
1	Rotate the 2nd Stitching Image	1. IMAGE MODALITY - No. 40
2	Rotate the 3rd Stitching Image	1. IMAGE MODALITY - No. 41
3	Enable Stitching Edge Adjustment	1. IMAGE MODALITY - No. 42
4	Cut IP Edge for Stitching	1. IMAGE MODALITY - No. 43
5	Complete Study when WS menu with one image	1. IMAGE MODALITY - No. 337
6	DR Stitch With Modality Option	1. IMAGE MODALITY - No. 329
7	Edge Adjust Flag For FPD	1. IMAGE MODALITY - No. 64
8	Fov Cut UD	1. IMAGE MODALITY - No. 65
9	Fov Cut LR	1. IMAGE MODALITY - No. 66
10	Marker Search LR	1. IMAGE MODALITY - No. 328
11	Enable Marking Stitched Image	1. IMAGE MODALITY - No. 70
12	Display Motion Correction	1. IMAGE MODALITY - No. 302

ID	Name	Reference
13	Motion Warning Value	1. IMAGE MODALITY - No. 303
14	Motion Shift Flag	1. IMAGE MODALITY - No. 327
15	Motion Correct Marker Path	5. CSL/IDT FUNCTION - No. 335
16	Enable density correction to DR stiched Image	1. IMAGE MODALITY - No. 353
18	Enable S Value Edit to DR pre-stiched Image	1. IMAGE MODALITY - No. 354
20	Kind of Print Image (Image Combining Process)	1. IMAGE MODALITY - No. 32
21	Kind of Transfer Image (Image Combining Process)	1. IMAGE MODALITY - No. 33

● 06. ES function

ID	Name	Reference
1	Use ES Motion Correction Param Set	5. CSL/IDT FUNCTION - No. 322
2	Kind of Output Image (Energy Subtraction)	1. IMAGE MODALITY - No. 19

● 07. TO function

ID	Name	Reference
1	TopBoard To Partition Distance	5. CSL/IDT FUNCTION - No. 323
2	Job Status Display Time	1. IMAGE MODALITY - No. 321
3	Image File Type For Tomosynthesis Viewer	1. IMAGE MODALITY - No. 342

● 08. Mammo

ID	Name	Reference
1	Enable MammolImage Alignment Function	7. CONFIG OPTION - No. 8
2	Quantity which paints inside the recognition result of the chest wall[x0.01mm]	1. IMAGE MODALITY - No. 47
3	Enable Implant Input	1. IMAGE MODALITY - No. 349
4	Use Output WW	1. IMAGE MODALITY - No. 83
5	Enable Auto Pairing	5. CSL/IDT FUNCTION - No. 205

4. D. Ordering system

● 01. General

ID	Name	Reference
1	Examination No. Length	5. CSL/IDT FUNCTION - No. 15
2	Examination No. Padding Method	5. CSL/IDT FUNCTION - No. 16
3	Patient ID Length	5. CSL/IDT FUNCTION - No. 17
4	Patient ID Padding Method	5. CSL/IDT FUNCTION - No. 18
5	Technician's Code Length	5. CSL/IDT FUNCTION - No. 30
6	Enable Patient Info. DB Function	5. CSL/IDT FUNCTION - No. 56
7	Max. Number of Patient Info.	5. CSL/IDT FUNCTION - No. 57
8	Default Requesting Service	5. CSL/IDT FUNCTION - No. 83
9	Use DistributionCode DepartName	5. CSL/IDT FUNCTION - No. 93
10	Alert MSG Type When Patient Information will be Modified	5. CSL/IDT FUNCTION - No. 310
11	Mass Order Site Code Mapping Tag	5. CSL/IDT FUNCTION - No. 188
12	Enable Function Mass Order	5. CSL/IDT FUNCTION - No. 339
13	Use StudyInstanceUID from RIS	1. IMAGE MODALITY - No. 26

● 02. FujiRIS

ID	Name	Reference
1	Enable Display StatusView on FRIS Screen	5. CSL/IDT FUNCTION - No. 363
2	Use Series Identification From F-RIS	1. IMAGE MODALITY - No. 44
3	Enable Update Order information With MWM	5. CSL/IDT FUNCTION - No. 349
4	Use wild card for Update Order information	5. CSL/IDT FUNCTION - No. 350

● 03. DICOM MWM

ID	Name	Reference
1	StudyInstanceUID Regeneration	5. CSL/IDT FUNCTION - No. 134
2	Display Performed Procedure on Worklist Tab	1. IMAGE MODALITY - No. 18
3	MWM Not Received Condition Delete Study	5. CSL/IDT FUNCTION - No. 123
4	Tag Mapped on Study Menu at MWM Use	1. IMAGE MODALITY - No. 23
5	Perform Mapping to Exposure Menu at MWM Use	1. IMAGE MODALITY - No. 24
6	Display Dialog When Failed in Mapping to Menu at MWM Use	1. IMAGE MODALITY - No. 25
7	Exposure Menu Code Treatment	5. CSL/IDT FUNCTION - No. 68
8	MWM MenuName Mapping	5. CSL/IDT FUNCTION - No. 89
9	MWM Execute Study Type	5. CSL/IDT FUNCTION - No. 66
10	MWM RIS Trigger Port	5. CSL/IDT FUNCTION - No. 64
11	MWM RIS Trigger Timeout	5. CSL/IDT FUNCTION - No. 65
12	Enable Patient's Info. Automatic Search by Bcr/Mcr	5. CSL/IDT FUNCTION - No. 304

● 04. DICOM PPS

ID	Name	Reference
1	SOP Class UID for PPS When No FILE Attribute Output	1. IMAGE MODALITY - No. 16
2	Protocol Name for PPS	1. IMAGE MODALITY - No. 17
3	PPS Exposure Status Sequence	5. CSL/IDT FUNCTION - No. 76
4	PPS Exposure Status Mapping Tag	5. CSL/IDT FUNCTION - No. 90
5	PPS Exposure Status Mapping Kind	5. CSL/IDT FUNCTION - No. 91
6	Use PPS Cache Server	5. CSL/IDT FUNCTION - No. 164
7	Study Suspend when using PPS.	1. IMAGE MODALITY - No. 326

● 05. RECE-COM

ID	Name	Reference
1	Receipt Computer Type	5. CSL/IDT FUNCTION - No. 95
2	Receipt Computer Info File Share Folder	5. CSL/IDT FUNCTION - No. 97
3	Receipt Computer Info File Temporal Folder	5. CSL/IDT FUNCTION - No. 100
4	Simplified Ordering Report Share Folder	5. CSL/IDT FUNCTION - No. 307
5	Receipt Computer Hostname	5. CSL/IDT FUNCTION - No. 69
6	Receipt Computer IP Address	5. CSL/IDT FUNCTION - No. 70
7	Receipt Computer Port Number	5. CSL/IDT FUNCTION - No. 71
8	Receipt Computer Patient Info. Format	5. CSL/IDT FUNCTION - No. 72
9	Receipt Computer Request Timeout	5. CSL/IDT FUNCTION - No. 73
10	FUJITSU Receipt Computer Receiving Port Number	5. CSL/IDT FUNCTION - No. 138
11	FUJITSU Receipt Computer Receiving Timeout	5. CSL/IDT FUNCTION - No. 139

5. E. CSL operation

● 01. CSL operation

ID	Name	Reference
7	Requesting Dept. Name Field Setup	5. CSL/IDT FUNCTION - No. 22
8	Technician's Name Field Setup	5. CSL/IDT FUNCTION - No. 23
9	Kanji Patient's Name Auto Convert	5. CSL/IDT FUNCTION - No. 96
10	Max Number of Exposure Menu	5. CSL/IDT FUNCTION - No. 305
11	Enable Continuous Barcode Read	5. CSL/IDT FUNCTION - No. 81
13	Alert MSG Display When Deleting Image	1. IMAGE MODALITY - No. 2
14	Enable Multiple Study Select	5. CSL/IDT FUNCTION - No. 309
15	Barcode Type for Search on List	5. CSL/IDT FUNCTION - No. 84
16	Examination No. Alignment	5. CSL/IDT FUNCTION - No. 338
17	Alert MSG Display When Output	3. QA FUNCTION - No. 7
18	User Selector Setting	1. IMAGE MODALITY - No. 315

● 02. Exposure Management

ID	Name	Reference
1	Enable Statistical Info. Output	1. IMAGE MODALITY - No. 34
2	Use Reject Comment	1. IMAGE MODALITY - No. 51
3	Enable RetakeAnalysis Function	7. CONFIG OPTION - No. 7

6. F. DICOM storage

● 01. Base Setting

ID	Name	Reference
1	Modality Setup for Mammography Image	1. IMAGE MODALITY - No. 35
2	Dicom Storage Output Connection Number	1. IMAGE MODALITY - No. 28
3	UID Issuance after Modifying ID Information	1. IMAGE MODALITY - No. 9
4	UID Issuance after Modifying Normalized Parameter	1. IMAGE MODALITY - No. 10
5	UID Issuance after Modifying Image Processing Parameter	1. IMAGE MODALITY - No. 11
6	UID Issuance Before Sending Processed Data	1. IMAGE MODALITY - No. 12
7	UID Issuance about a function (except Image Processing) to change to the image themselves	1. IMAGE MODALITY - No. 39
8	UID Issuance after Modifying Trimming Parameter	1. IMAGE MODALITY - No. 45
9	UID Issuance after Modifying FNC Parameter	1. IMAGE MODALITY - No. 46
10	UID Issuance after Modifying CRF Parameter	1. IMAGE MODALITY - No. 57
11	Link User Account to Verifying Observer Name (The Person done the QA Complete)	1. IMAGE MODALITY - No. 307

7. G. Film print

● 01. Print function

ID	Name	Reference
1	Enable Magnify Print	4. PRINTER - No. 2
2	Enable Auto Edit Function of Film String Format File	4. PRINTER - No. 56
3	Enable Reduce To 8x10 Film	4. PRINTER - No. 64
4	Print Priority in Dicom Print	4. PRINTER - No. 71
5	Enable Distance Correction	4. PRINTER - No. 92
6	FLP DiskUsage Limit Size	1. IMAGE MODALITY - No. 304

● 02. Formatting

ID	Name	Reference
1	Black Margin Setup on Film Edge	4. PRINTER - No. 10
2	Trimming Range [mm]	4. PRINTER - No. 11
3	Trimming Range for Mammography [mm]	4. PRINTER - No. 12
4	Print Image Frame (3543film:14x17,14x14,1843/3535film:14x14/2636film:10x14/2025film:8x10,1824/2530film:10x12,2430 Single Format)	4. PRINTER - No. 23
5	Print Image Frame (3543 film:18x43 LR/2on1 Format)	4. PRINTER - No. 24
6	Print Image Frame (3543 film:14x17,18x43,8x10 4on1 Format)	4. PRINTER - No. 25
7	Print Image Frame (2636 film:18x24,24x30/2025 film:18x24 Single Mammography Format)	4. PRINTER - No. 27
8	Print Image Frame (2636film:18x24 2on1 100% Mammography Format)	4. PRINTER - No. 28
9	No Print Scale (User Definition Rules)	4. PRINTER - No. 29
10	Image Area Move to the Top of 3543 Film	4. PRINTER - No. 46

ID	Name	Reference
11	Gap between Image Edge and Film Edge (Mammography Format)[x0.1mm]	4. PRINTER - No. 57
12	Print Image Frame (2636 film:18x24-LR,2on1 Format)	4. PRINTER - No. 69
13	Reduction Rate (2636 film:18x24-LR,2on1 Format)	4. PRINTER - No. 70
14	2530 Film Character Field Position & Rotation (10x12,2430-Sigle)	4. PRINTER - No. 72
15	2530(Landscape) Film Character Field Position & Rotation (10x12,2430-Single)	4. PRINTER - No. 73
18	Reduction Rate (8x10,2on1 Film Format)	4. PRINTER - No. 81
19	Enable Image Frame (8x10,100%-Size Image 2on1 Film Format)	4. PRINTER - No. 82
20	Film Character Field Position & Rotation (8x10,100%-Size Image 2on1 Film Format)	4. PRINTER - No. 83
21	Film Character Field Position & Rotation (8x14,100%-Size Image 2on1 Film Format)	4. PRINTER - No. 84
22	Film Character Field Position & Rotation (7x8,100%-Size Image 4on1 Film Format)	4. PRINTER - No. 85
23	Film Character Field Position & Rotation (7x10,100%-Size Image 2on1 Film Format)	4. PRINTER - No. 86
24	Film Character Field Position & Rotation (5x8,100%-Size Image 2on1 Film Format)	4. PRINTER - No. 93
25	Type of processing multi-frame format.	4. PRINTER - No. 91
26	Film Character Mode Setting On XCON Material Info.	4. PRINTER - No. 87
30	Lifesize Film Character Field Position & Rotation	4. PRINTER - No. 75
31	Overlap width(mm) of the Lifesize Film	4. PRINTER - No. 76
32	Setting of minimum scale to be cut off the ends of Life-size Output(cm).	4. PRINTER - No. 90
33	Reduction Ratio of WS image (DR) is fixed	5. CSL/IDT FUNCTION - No. 328

● 03. Character

ID	Name	Reference
1	Print Barcode	4. PRINTER - No. 13
2	Print EDR Mode	4. PRINTER - No. 14
3	Print Image Process Condition	4. PRINTER - No. 15
4	Print L,S,CS,SS Condition	4. PRINTER - No. 16
5	Print Shot Time	4. PRINTER - No. 17
6	Print Set Process	4. PRINTER - No. 18
7	Print Engineer ID	4. PRINTER - No. 19
8	Print Menu Name	4. PRINTER - No. 20
9	Print Compression Rate	4. PRINTER - No. 21
10	Print Energy-Subtraction Parameter	4. PRINTER - No. 22
11	Representation of Age	4. PRINTER - No. 30
12	Print Reverse Mark	4. PRINTER - No. 31
13	Print Film Char2 / Examination Number	4. PRINTER - No. 33
14	Patient's Name Length on Film	4. PRINTER - No. 47
15	Patient's Name Length on Film (Multibyte)	4. PRINTER - No. 48
16	Patient's Name Justify on Film	4. PRINTER - No. 49
17	Menu Name Length on Film	4. PRINTER - No. 50
18	Menu Name Length on Film (Multibyte)	4. PRINTER - No. 51
19	Menu Name Justify on Film	4. PRINTER - No. 52
20	Department Name Length on Film	4. PRINTER - No. 53
21	Department Name Length on Film (Multibyte)	4. PRINTER - No. 54
22	Department Name Justify on Film	4. PRINTER - No. 55
23	Font Size of Requesting Service	4. PRINTER - No. 58
24	Format Type of Operator's Name	4. PRINTER - No. 59
25	Display Image Feature	4. PRINTER - No. 60
26	Film String Format	4. PRINTER - No. 74

● 04. Character area

ID	Name	Reference
1	Print Film Character Field (14x17-S/4on1, 18x43-LR/2on1/4on1, 8x10-4on1, 14x14-S, 10x14-S, 18x24-LR/2on1, 8x10/18x24-S Format)	4. PRINTER - No. 32
2	Size Selection of 3543, 3535, 2636, 2025 Film Character (Single Format)	4. PRINTER - No. 34
3	3543 Film Character Field Position & Rotation (14x17 Image)	4. PRINTER - No. 35
4	3543 Film Character Field Position & Rotation (17x14 Image)	4. PRINTER - No. 36
5	3543 Film Character Field Position & Rotation (18x43 Image)	4. PRINTER - No. 37
6	3543, 2025 Film Character Field Position & Rotation (3545 Film: 8x10-4on1, 2025 Film: 8x10, 18x24-Single)	4. PRINTER - No. 38
7	2025(Landscape) Film Character Field Position & Rotation (8x10, 18x24-Single)	4. PRINTER - No. 39
8	Film Character Field position & rotation (User Definition Rules1)	4. PRINTER - No. 40
9	Film Character Field position & rotation (User Definition Rules2)	4. PRINTER - No. 41
10	Film Character Field position & rotation (User Definition Rules3)	4. PRINTER - No. 42
11	Film Character Field position & rotation (User Definition Rules4)	4. PRINTER - No. 43
12	Film Character Field position & rotation (User Definition Rules5)	4. PRINTER - No. 44
13	Film Character Field position & rotation (User Definition Rules6)	4. PRINTER - No. 45
14	2636 Film Character Field Position & Rotation (Left Image of 2on1 Mammography Format)	4. PRINTER - No. 61
15	2636 Film Character Field Position & Rotation (Right Image of 2on1 Mammography Format)	4. PRINTER - No. 62

ID	Name	Reference
16	3535 Film Character Field Position & Rotation (Single Format)	4. PRINTER - No. 63
17	2636 Film Character Field Position & Rotation (10x14 Image)	4. PRINTER - No. 65
18	2636 Film Character Field Position & Rotation (14x10 Image)	4. PRINTER - No. 66
19	2636 Film Character Field Position & Rotation (2636 Film: 18x24-LR)	4. PRINTER - No. 67
20	2636 Film Character Field Position & Rotation (2636 Film: 18x24-2on1)	4. PRINTER - No. 68

● 05. 12on1 print

ID	Name	Reference
1	Enable 12on1 Film Print Function	7. CONFIG OPTION - No. 9
2	Use 12on1 Film Print in MediaList	5. CSL/IDT FUNCTION - No. 133
3	Film Annotation Position (12on1 Film Format)	4. PRINTER - No. 78
4	Print Image Frame (12on1 Film Format)	4. PRINTER - No. 79
5	Film Character Field Position & Rotation (12on1 Film Format)	4. PRINTER - No. 80

Appendix Q Setting the Connection Device Status Icons (V7.3 or Later)

1. Settings Concerning Radio Wave Intensity and the Antenna Icon

With regard to the following radio wave intensities, the procedure to change the icon displayed according to the radio signal intensity (RSSI value) is described below.

- Radio wave intensity between the DR-ID 800CL and the AP of the in-hospital network
- Radio wave intensity between the DR-ID 800CL and the AP of the image local network
- Radio wave intensity between the DR cassette and the AP of the image local network

1. Open the “C:\Program Files\FujiFilm\IIP\Config” folder.

2. Open the “StatusView.config” file with Notepad (Notepad.exe).

3. The following keywords are searched according to the type of radio wave.

Type of radio wave	Search keyword
Radio wave intensity between the DR-ID 800CL and the AP of the in-hospital network	wireless_info device="hospital"
Radio wave intensity between the DR cassette and the AP of the image local network	wireless_info device="fpd"
Radio wave intensity between the DR-ID 800CL and the AP of the image local network	wireless_info device="console"

➔ REFERENCE

The figure below is an example of a “StatusView.config” file actually opened by Notepad, and the tags concerning radio wave intensities are displayed.

```

StatusView.config - Notepad
File Edit Format View Help
<?xml version="1.0" encoding="utf-8"?>
<Configuration>
  <connection_info>
    <wireless_info device="hospital">
      <rss_i_value1>-60</rss_i_value1>
      <rss_i_value2>-75</rss_i_value2>
      <rss_i_value3>-90</rss_i_value3>
    </wireless_info>
    <wireless_info device="fpd">
      <rss_i_value1>-64</rss_i_value1>
      <rss_i_value2>-69</rss_i_value2>
      <rss_i_value3>-74</rss_i_value3>
    </wireless_info>
    <wireless_info device="console">
      <rss_i_value1>-60</rss_i_value1>
      <rss_i_value2>-75</rss_i_value2>
      <rss_i_value3>-90</rss_i_value3>
    </wireless_info>
  </connection_info>
  <battery_info>
    <battery_life_value1>5</battery_life_value1>
    <battery_life_value2>15</battery_life_value2>
    <battery_life_value3>50</battery_life_value3>
  </battery_info>
</Configuration>
  
```

Setting radio intensity of the in-hospital network

Setting radio intensity of the network between the DR-ID 800CL and the AP

Setting radio intensity of the network between the AP and the FPD





D80C0304Q002.ai

4. Change the value of each tag.

- Range of the value set in each tag





Tag	Range of the value which can be set
rsssi_value1	0 to -120
rsssi_value2	0 to -120 * Set a value smaller than the value set in the “rsssi_value1” tag.
rsssi_value3	0 to -120 * Set a value smaller than the value set in the “rsssi_value2” tag.

- Relationship between the radio signal intensity (RSSI value) and the displayed icon

RSSI value	Radio wave intensity	Displayed icon
Equal to the value set in “rsssi_value1” or higher	Radio signal intensity: 3 bars	
In the range of the value set in “rsssi_value1” and the value set in “rsssi_value2” or higher	Radio signal intensity: 2 bars	
In the range of the value set in “rsssi_value2” and the value set in “rsssi_value3” or higher	Radio signal intensity: 1 bar	
Lower than the value set in “rsssi_value3”	Radio signal intensity: 0 bar	

➔ REFERENCE

With the default values set for displaying the icon of the radio wave intensity between the DR cassette and the AP of the image local network, the RSSI value and the icon are linked as below.

RSSI value	Displayed icon
$RSSI\ value \geq -50$	 (3 bars)
$-50 > RSSI\ value \geq -70$	 (2 bars)
$-70 > RSSI\ value \geq -90$	 (1 bar)
$-90 > RSSI\ value$	 (0 bar)

5. Save the “StatusView.config” file and then close Notepad (Notepad.exe).

2. Settings Concerning the Remaining Battery Life of a Laptop PC and the Battery Icon

The procedure for changing the icon displayed according to the remaining battery life (%) of a laptop PC is described below.

1. Open the "C:\Program Files\FujiFilm\IIP\Config" folder.
2. Open the "StatusView.config" file with Notepad (Notepad.exe).
3. Search the "battery_life" tags.

➔ REFERENCE

The figure below is an example of a "StatusView.config" file actually opened by Notepad, and the tags concerning remaining battery life are displayed.

```

<?xml version="1.0" encoding="utf-8"?>
<Configuration>
  <connection_info>
    <wireless_info device="hospital">
      <rssi_value1>-60</rssi_value1>
      <rssi_value2>-75</rssi_value2>
      <rssi_value3>-90</rssi_value3>
    </wireless_info>
    <wireless_info device="fpd">
      <rssi_value1>-64</rssi_value1>
      <rssi_value2>-69</rssi_value2>
      <rssi_value3>-74</rssi_value3>
    </wireless_info>
    <wireless_info device="console">
      <rssi_value1>-60</rssi_value1>
      <rssi_value2>-75</rssi_value2>
      <rssi_value3>-90</rssi_value3>
    </wireless_info>
  </connection_info>
  <battery_info>
    <battery_life_value1>5</battery_life_value1>
    <battery_life_value2>15</battery_life_value2>
    <battery_life_value3>50</battery_life_value3>
  </battery_info>
</Configuration>
  
```





DXCL1004Q002.ai

4. Change the value of each tag.

- Range of the value set in each tag





Tag	Range of the value which can be set
battery_life_value1	0 to 100
battery_life_value2	0 to 100 * Set a value bigger than the value set in the "battery_life_value1" tag.
battery_life_value3	0 to 100 * Set a value bigger than the value set in the "battery_life_value2" tag.

- Relationship between the remaining battery life and the displayed icon

Remaining battery life	Displayed icon
0% or higher but lower than the value set in "battery_life_value1"	 (Empty)
Equal to the value set in "battery_life_value1" or higher but lower than the value set in "battery_life_value2"	
Equal to the value set in "battery_life_value2" or higher but lower than the value set in "battery_life_value3"	
Equal to the value set in "battery_life_value3" or higher with the maximum at 100%	 (Full)

➔ REFERENCE

When the default values are used, the remaining battery life and the icon are linked as below.

Actual remaining battery life	Displayed icon
0% ≤ remaining battery life < 5%	 (Empty)
5% ≤ remaining battery life < 15%	
15% ≤ remaining battery life < 50%	
50% ≤ remaining battery life < 100%	 (Full)

-
5. Save the “StatusView.config” file and then close Notepad (Notepad.exe).

Appendix R Security Settings for the United States Department of Defense (DoD)

This chapter describes the procedures for improving the security of the DR-ID 800CL and its external device to be installed at the United States Department of Defense (DoD).

◆ NOTE ◆

- Do not apply these procedures on devices other than the DR-ID 800CL for the United States Department of Defense (DoD) and its external device.
- If you performed the AP installation or version upgrade by using the DR-ID 800CL-AP Disk, the applied security settings may be rolled back. Definitely re-execute "1.1 Executing the Batch File (Setting at DR-ID 800CL)".

1. Setting Procedures

Perform a batch file execution (setting at DR-ID 800CL) and user authentication setting (setting at external device).

1.1 Executing the Batch File (Setting at DR-ID 800CL)

On the DR-ID 800CL, execute the batch file for improving the security.

1. Insert the DR-ID 800CL-AP Disk into the disk drive.

◆ NOTE ◆

If the "AutoPlay" window opens, select "Open folder to view files" and proceed to step 2.

2. Start running Explorer and execute "D:\tools\SecurityImprovement\apply.bat".
 - The command prompt window opens.
The process is executed and the "All process finished." message appears.

◆ NOTE ◆

If you execute the batch when a common folder is accessed from other equipment, the following message is displayed.

Users have open files on C. Continuing the operation will force the files closed.

Do you want to continue this operation? <Y/N> [_]:

In this case, input "N" and press the <Enter> key to stop the batch file processing once.

Then, re-execute the batch after stopping the access to the common folder from other equipment.

➔ REFERENCE

In the following cases, an error regarding user account double registration will be displayed but you may ignore it as there is no problem.

- When the user account has been registered already
- When the batch file has been execute several times

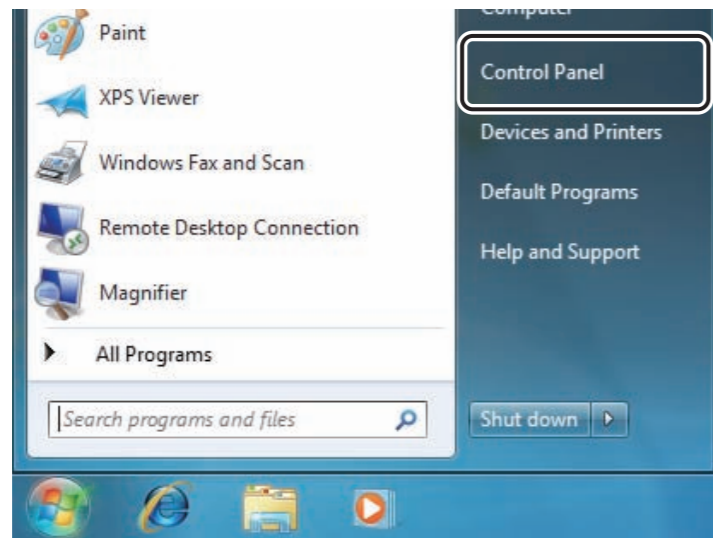
3. Enter the <Enter> key.
 - The command prompt window closes.
4. Remove the Disk from the disk drive.
5. Restart the PC.

1.2 Setting the User Authentication (Setting at External Device)

On external device, set the user authentication for accessing DR-ID 800CL.

■ When the OS of the external connection device is Windows 7

1. Select “Control Panel” from the  menu.



→ The “All Control Panel Items” window opens.

2. Click  User Accounts .

→ The “User Accounts” window opens.

3. Click “Manage your credentials” on the left-hand of the window.

→ The “Credential Manager” window opens.

4. Click [Add a Windows credential].

→ The “Add a Windows Credential” window opens.

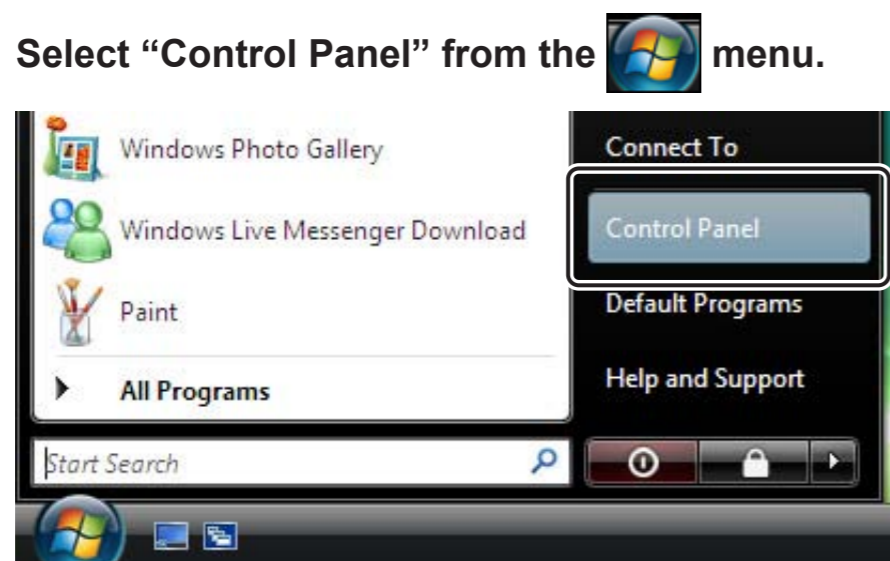
5. Make the following settings.

Item	Setup
Internet or network address	Enter the name of the computer you want to access. It is possible to enter the following. <ul style="list-style-type: none">• NetBIOS name (e.g. server1)• DNS name (e.g. server1.fabrikam.com)• IP address
User name	Enter “ConsoleSharedUser”.
Password	Enter “C0nsoleSh@red”.

6. Click [OK].

■ When the OS of the external connection device is Windows Vista

1. Select “Control Panel” from the  menu.



AWV22019_E.ai

→ The “All Control Panel Items” window opens.

2. Double-click  .



→ The “User Accounts” window opens.

3. Click “Manage your network passwords” on the left-hand of the window.

→ The “Stored User Names and Passwords” window opens.

4. Click [Add].

→ The “Stored Credential Properties” window opens.

5. Make the following settings.

Item	Setup
Log on to	Enter the name of the computer you want to access. It is possible to enter the following. <ul style="list-style-type: none"> • NetBIOS name (e.g. server1) • DNS name (e.g. server1.fabrikam.com) • IP address
User name	Enter “ConsoleSharedUser”.
Password	Enter “C0nsoleSh@red”.
Credential type	Select “A Windowslogon credential”.

6. Click [OK].

2. Checking the Operation

Perform the following procedure according to the institution's condition, and confirm that an error does not occur.

■ **For the institution using the log information sharing (RetakeAnalysis, DR cassette use count calculation) function**

1. Perform “RetakeAnalysis” and “DR cassette use count calculation” from the “Main menu” window of User Utility.

■ **For the institution using the simple ordering function**

1. Open the shared folder of DR-ID 800CL from the RIS terminal.
2. Create the xml file in the shared folder.

DR-ID 800CL Service Manual

SP: Service Parts

Control Sheet

Issue date	Revision number	Reason	Pages affected
12/14/2012	01	New release (FM6115)	All pages

1. Service Parts List

1.1 How to Use Service Parts List

■ RANK

- Parts handling ID symbols used to identify the parts requiring special operation

The ID symbols are assigned to applicable parts. Parts without the R mark are replaced and handled in a regular manner.

Symbol	Description
R	Repairable parts
Q, T	Symbol for use other than in Japan

- Export regulation mark
This + mark is assigned to the parts subject to Export regulations. Parts without the + mark are not subject to Export regulations.

Symbol	Description
+	Parts subject to Export regulations

- Fault rankings used for estimating the recommended stock quantity
All parts are assigned a symbol letter from A to E.

Symbol	Description
A	Consumable parts or parts that will be replaced at short intervals
B	Parts that may become faulty accidentally and have a relatively high failure rate
C	Parts that have a sufficiently long MTBF, but are expected to have a high failure rate
D	Parts that have a sufficiently long MTBF, but are expected to become faulty
E	Parts that are necessary for fault analysis or parts that may be needed in case of faults such as man-induced damage

- RANK column description
The symbols for Fault Ranking, Parts Handling, and Export regulation are assigned in order named. Thus, one to three letters are put in the RANK column.

■ REF. NO.

A number for indicating each part in the Service Parts Exploded Views.

■ PART NUMBER

A code number that is unique to each part. The rightmost letter of the code number has the following meaning.

- For hardware
The letter denotes the version number of a part. If parts have different version numbers, they are upward-compatible.
- For software
The letter denotes the software specifications.

■ PART NAME

This represents the general name of a part.

■ QTY.

QTY. represents the quantity of parts used in a unit or assembly.

■ REMARKS

Unique name of a part or its relevant information or note is described in this column.

■ SERIAL NUMBER

The units may contain different parts depending on their shipment control number. SERIAL NUMBER indicates the shipment control number to which the parts are applicable. If this column is blank, the parts are applicable to all the relevant units.

■ Recommended quantity of spare parts

It is recommended as a rough guide to hold in stock a specified quantity of parts according to the rank (A to E) assigned to the parts. Parts to be replaced at periodic intervals must be held in stock separately.

Adjust the quantity of parts stock depending on the number of working units (N) as prescribed below.

Q: Quantity used in a single system

○ N = 1

$$\text{Rank A} = 1 + Q \times 0.3$$

$$\text{Rank C} = 1 + Q \times 0.05$$

$$\text{Rank D} = 1 + Q \times 0.02$$

○ $2 \leq N \leq 10$

$$\text{Rank A} = 2 + N \times Q \times 0.3$$

$$\text{Rank C} = 2 + N \times Q \times 0.05$$

$$\text{Rank D} = 1 + N \times Q \times 0.02$$

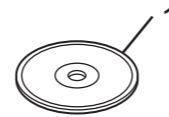
○ $11 \leq N \leq 300$

$$\text{Rank A} = 3 + N \times Q \times 0.3$$

$$\text{Rank C} = 3 + N \times Q \times 0.05$$

$$\text{Rank D} = 2 + N \times Q \times 0.02$$

1.2 Service Parts List



D80C010501001.ai

RANK	REF.	PART NUMBER	PART NAME	QTY.	REMARKS	SERIAL NUMBER
E	1	114Y2304001	Software	1	Main unit software	

BLANK PAGE

BLANK PAGE

BLANK PAGE

DR-ID 800CL Service Manual

PM: Preventive Maintenance

Control Sheet

Issue date	Revision number	Reason	Pages affected
12/14/2012	01	New release (FM6115)	All pages

1. Preventive Maintenance Items

While the DR-ID 800CL is being used, maintenance of the items listed in the table on the right should be performed periodically, observing the Warnings and Cautions shown below.

 **WARNING**

To avoid electrical shock, turn off the power to the equipment, before performing maintenance work.

◆◆ WARNING/CAUTION ◆◆

Observe Warnings/Cautions described in the “Safety Precautions” section.

◆◆ CAUTION ◆◆

When performing maintenance work of the inside of the PC, the user is required to wear a wrist strap unfailingly to secure proper grounding.

Otherwise, electronic parts mounted on the boards may be damaged due to static electricity discharged by the user.

■ **Table of preventive maintenance items
(Recommended cycle of preventive maintenance: Annual)**

Work items	Required time	Replacement part	Remarks
2. Checking for a Fatal Error			
2.1 Confirming the Event Log			
3. Safety			
3.1 Service Voltage (DC16-24V)			
4. Hardware Cleaning			
4.1 PC Internal Cleaning			
4.2 LCD Cleaning			
5. Executing the Error Analysis Tool			
5.1 Executing Windows Memory Diagnostics			
6. Functional Checks			
6.1 Confirmation of Image Input to Storage onto HDD			
6.2 Image Output to Film			[option]
6.3 Image Transfer			
7. Backup of Setup Files and Verification of Date and Time			
7.1 Backup of Setup Files and Log Files			
7.2 Verification of Date and Time			

2. Checking for a Fatal Error

2.1 Confirming the Event Log

View the OS event log (application) to check for any fatal error recording.

 For the procedure for viewing the event log, see [“2. Using the Event Viewer”](#) under [“MT: Machine Troubleshooting”](#).

3. Safety

3.1 Service Voltage (DC16-24V)

Verify the service voltage that is available within the institution.

4. Hardware Cleaning

4.1 PC Internal Cleaning

Cooling fans (power supply fan, CPU fan, etc.) are mounted in the PC to dissipate generated heat through air convection.

If dust is heavily accumulated in the neighborhood of a cooling fan or a vent in the PC housing, the effect of the cooling fan may decrease, thereby adversely affecting the operation of the PC. It is therefore necessary to clean the inside of the PC on a periodic basis.

■ Preparations

Disconnect all cables from the PC main body.

■ Cleaning

1. With a brush attached to a vacuum cleaner, carefully vacuum-clean the slots and other openings in the rear of the PC.
2. Open the PC cover.
3. With an air blower, clean the heat sink and circuit board section.
4. Close the PC cover.

4.2 LCD Cleaning

1. With a “Cleaner Torch”, remove dust from the LCD.
2. If there is any stubborn dirt on the LCD panel surface, wipe it clean with a cloth (e.g., gauze) well wrung out in water.

◆◆ CAUTION ◆◆

If you vigorously scrub the LCD panel surface, the liquid crystal surface may become damaged. Therefore, do not apply any undue force to the LCD panel surface when you wipe it clean. If the LCD panel surface is heavily soiled and cannot be cleaned with a moistened cloth, clean it with the monitor cleaner kit. The monitor cleaner kit is of a chemical type. Therefore, if the monitor cleaner kit is repeatedly used for cleaning purposes, the LCD panel surface will be adversely affected. When using the monitor cleaner kit, read its operation manual and exercise utmost care.

◆ NOTE ◆


Do not use dehydrated ethanol for cleaning purposes because it adversely affects the LCD's surface film.

5. Executing the Error Analysis Tool

5.1 Executing Windows Memory Diagnostics

Execute the error analysis tool (Windows Memory Diagnostic) from “Windows Boot Manager”.

See the following to perform the specified procedure.

 [“4.1 Trouble Diagnosis Tool \(Windows Memory Diagnostics Tool\)”](#) under [“MT: Machine Troubleshooting”](#).

6. Functional Checks

6.1 Confirmation of Image Input to Storage onto HDD

1. Read an image and check to see that it is stored without fail.

6.2 Image Output to Film

See the following to perform the specified procedure.

 [“3. Verifying the Connection”](#) in [“Appendix 12 DICOM Print”](#) under [“Appx IN: Installation”](#).

6.3 Image Transfer

See the following to perform the specified procedure.

 [“3.2 Image Transfer to Other Connected Equipment”](#) in [“Appendix 10 DICOM CR Storage”](#) under [“Appx IN: Installation”](#).

7. Backup of Setup Files and Verification of Date and Time

7.1 Backup of Setup Files and Log Files

See the following to perform the specified procedure.

 [“6.1 Backing Up the DR-ID 800CL Setup Files”](#) under [“IN: Installation”](#).

7.2 Verification of Date and Time

See the following to perform the specified procedure.

 [“4.1.2 OS Setup”](#) under [“IN: Installation”](#).

BLANK PAGE

DR-ID 800CL Service Manual

IN: Installation

Control Sheet

Issue date	Revision number	Reason	Pages affected
12/14/2012	01	New release (FM6115)	All pages
08/30/2013	03	Revision for V7.3 (FM6189)	4, 6, 10, 13–15, 19, 21, 22, 24–30, 32, 36–38
08/30/2013	03	Changes in pagination (FM6189)	31, 33–35
10/31/2013	03	Revision for V7.3 (FM6205)	22, 24–26
10/31/2013	03	Changes in pagination (FM6205)	27–38

1. DR-ID 800CL Installation Conditions

This section states the PC and monitor installation conditions.

◆ NOTE ◆

Listed below are the abbreviations adopted in this chapter.

- Application : AP
- DR-ID 800CL configuration data : Config

For the dimensions and weights of the peripherals, see the respective manuals that are supplied with them.

1.1 Dimensions and Weight

	Dimensions (height × width × depth)	Weight
PC (AR2000 model 420F)	50 × 178 × 175 (mm)	2.0 kg
Monitor (ET1589L-8CJB-1-T-G)	266 × 338 × 38.3 (mm)	3.6 kg

1.2 Temperature and Humidity

Condition	Temperature	Humidity
Operating	5°C to 45°C	5% to 80% RH (non-condensing)
Non-operating	-20°C to 60°C	5% to 80% RH (non-condensing)

➔ REFERENCE

The above conditions are to fulfill requirements for both PC and monitor.

1.3 Places of Installation

■ Environmental conditions

Avoid installing the machine at the following places:

- Places where the temperature changes drastically
- Places near heaters or other heat sources
- Places where the machine is likely to be wet or submerged
- Places where the machine is likely to come into contact with any corrosive gas
- Dusty or dirty places
- Places where the machine is subjected to constant vibration or shock
- Places where the machine is subjected to excessive vibration or shock
- Places exposed to direct sunlight

Also, be sure that the monitor is not installed at the following places:

- Places where the monitor is surrounded, such as in a rack case
- Places where the display surface is exposed to direct sunlight
- Places near a transformer, another monitor, a power line, or a 0.02 Gauss or more of AC magnetic field

1.4 Power Requirements

■ PC main unit

Input voltage/Max. power consumption	Remarks
DC16 to 24V / 75W	

■ Monitor

Input voltage/Max. power consumption	Remarks
DC12V / 40W	

2. Installation Procedure Overview

► IMPORTANT

• Be sure that the following equipment is completely installed and set up.

- FPD
- Other equipments

 See the installation instructions set forth in the respective service manuals.

• Be sure to prepare the following before installation.

- DR-ID 800CL-AP key Disk
- USB-connected disk drive (JIG)
- USB-connected mouse (JIG)*¹
- USB-connected keyboard (JIG)*¹

*¹ As necessary, remove the USB adapter cover at the front and the access point before connecting directly to the PC.

1. Check the supplied component items, install the DR-ID 800CL accessories, and make cable connections to the FPD.

2. Set up the software related to the DR-ID 800CL and FPD. The major procedures are indicated below:

- Make preparations for DR-ID 800CL-AP startup (e.g., driver, option key, and AP key installation).
- Set up the software for FPD operations (e.g., FPD-AP installation).
- Set up the DR-ID 800CL system information (e.g., hospital name).
- Perform Config setup that is needed for the connection of the other equipment.

3. Verify the connection between the DR-ID 800CL and FPD as well as the connections to the other equipment. Also, generate film printouts to check for an improper format, unevenness on printed films, sensitivity, density and abnormal output characters.

4. Back up the DR-ID 800CL and FPD setup files. Also, check the FPD error code, and delete an error log after completion of the check.

3. DR-ID 800CL Hardware Setup

3.1 Checking the Component Items

3.2 Installing the Available Items

3.3 Making a Cable Connection to the FPD

3.4 Connecting to the Other Equipment

. Do not perform this procedure if other equipment is not used.

3.1 Checking the Component Items

Check that the following component items are fully supplied.

- AP (Disk)
- DR-ID 800CL Standard Kit Software (Disk)
- Operation Manual (Disk)
- HDD recovery media (Disk)

■ Others (separately packed items, options, etc.)

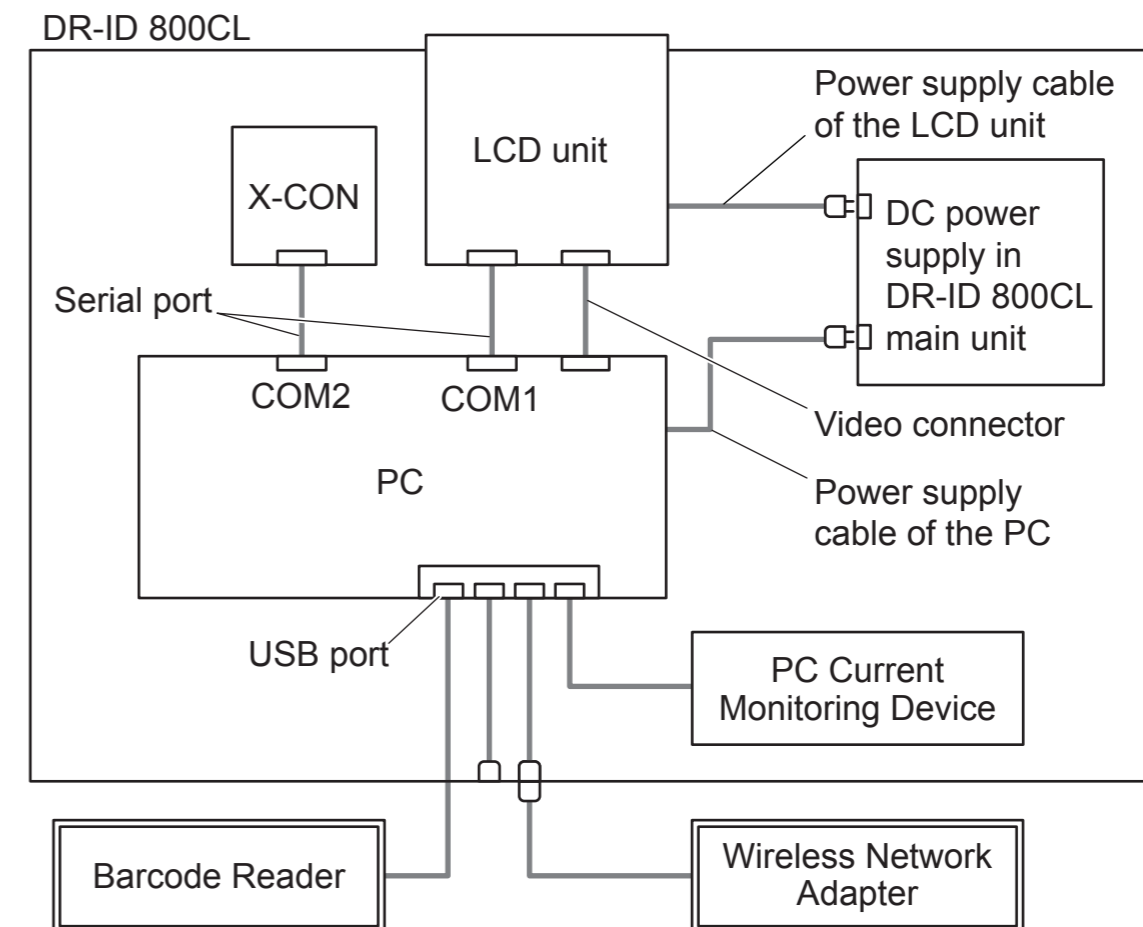
Product code	Description	Qty.	Remarks ^{*1}
DX CL DICOM PRINT	DICOM print key Disk ^{*2}	1	○
DX CL DICOM ORDER MWM	DICOM worklist (MWM) key Disk ^{*2}	1	○
DX CL DICOM ID MWM	DICOM worklist (MWM) key Disk (patient information only)	1	○
DX CL DICOM MPPS	DICOM PPS key Disk	1	○
DX CL DICOM COMMITMENT	DICOM Commitment Push key Disk	1	○
DX CL SHUTTER-PROC	Shuttering processing key Disk ^{*2}	1	○
DX CL GPR	Grid pattern removal processing key Disk ^{*2}	1	○
DX CL RETAKE ANALYSIS	Retake Analysis key Disk ^{*2}	1	○
DX CL RUQC	Image Reader QC key Disk	1	○
DX CL SIMPLE ORDERING	Simple ordering key Disk	1	○
DX CL MOTION DETECTION	General exposure motion detection function key Disk	1	○

^{*1} ○ : Option

^{*2} Configuration option of DX CL 800CL OP KIT

3.2 Installing the Available Items

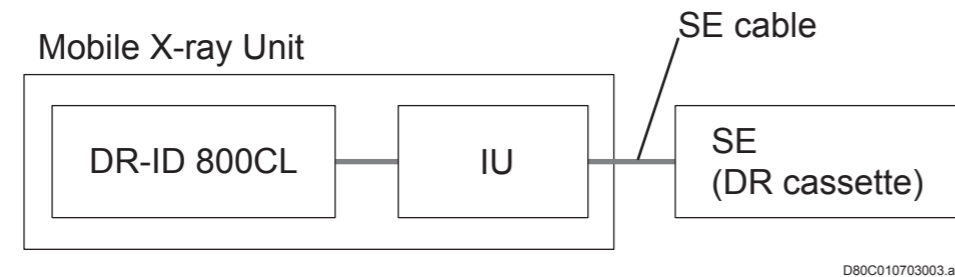
Mount the available items on the PC.



D80C010703004.ai

3.3 Making a Cable Connection to the FPD

Use a SE cable to make connection between the IU and FPD.



◆ NOTE ◆

- Even if the DR-ID 800CL and FPD will eventually be incorporated into the network of a hospital for operation, connect the DR-ID 800CL and FPD while they are independent of the network (not incorporated into the hospital's network).
- Do not connect the telephone line to the network connector of the Mobile X-ray Unit.
- The cable type applicable to this equipment is the IEC950/UL1950-compliant UTP cable of enhanced category 5 or higher.

3.4 Connecting to the Other Equipment

Connect the following equipment to the DR-ID 800CL.

- DICOM server
 - ☞ See "1. Hardware Setup" under "Appendix 10 DICOM CR Storage" of "Appx IN".
- DICOM DX Storage
 - ☞ See "1. Hardware Setup" under "Appendix 11 DICOM DX Storage" of "Appx IN".
- DICOM printer
 - ☞ See "1. Hardware Setup" under "Appendix 12 DICOM Print" of "Appx IN".
- RIS
 - ☞ See "1. Hardware Setup" under "Appendix 13 RIS: DICOM MWM/DICOM PPS" of "Appx IN".
- X-CON
 - ☞ See "1. Hardware Setup [Setting Done Prior to Shipment]" under "Appendix 19 X-Ray Controller" of "Appx IN".
- DAP
 - ☞ See "1. Hardware Setup" under "Appendix 27 DAP (Dose-area Product Meter)" of "Appx IN".

4. DR-ID 800CL Software Setup

4.1 DR-ID 800CL-AP Startup

4.2 Settings on the DR-ID 800CL for Connection with the FPD

4.3 Registration of Connection Settings of the In-Hospital Network (V7.3 or Later)

4.4 Setting Network Connection in PC with 2 NIC

4.5 Setting the Priority Order of the Network Binding

4.6 Procedures for Changing the DR-ID 800CL Host Name

4.7 DR-ID 800CL Setup for Connection to Other Equipment

4.8 Barcode Reader Connection

4.9 Setting the DX Parameter

4.10 Setting the Connection Device Status Icon (V7.3 or Later)

4.1 DR-ID 800CL-AP Startup

The following procedures must be performed for DR-ID 800CL-AP startup:

- OS startup
- OS setup
- Touch panel monitor setups/operational verification
- Option key installation
- AP key reinstallation
- AP startup verification

➔ REFERENCE

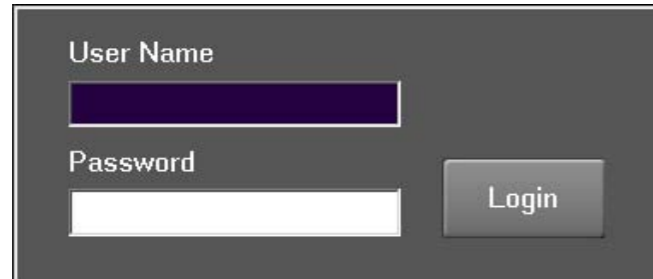
The following OS setup and software installation steps are completed at factory prior to shipment:

- *DR-ID 800CL setup steps*
 - *DR-ID 800CL IP address*
 - *Subnet mask*
 - *DR-ID 800CL host name*
 - *Administrator password setup*
 - *Display setup (screen saver, screen resolution, etc.)*
 - *MS-IME setup (only for units used in Japan)*
 - *DR-ID 800CL-AP (Database Management System included) installation*
 - *DR-ID 800CL Standard Kit software installation*
 - *AP key installation*
 - *Image database initialization*
- *FPD setup step*
 - *FPD information registration for Config (host name, IP address, and connected equipment information)*
 - *MC software installation*

4.1.1 OS Startup

1. Turn ON the power of the DR system on the Mobile X-ray Unit.

→ The Log-in window opens.



The screenshot shows a dark-themed login window. It has two input fields: 'User Name' and 'Password'. The 'User Name' field is currently empty, while the 'Password' field contains the text '11111'. To the right of the 'Password' field is a 'Login' button.

CLP74010.EPS

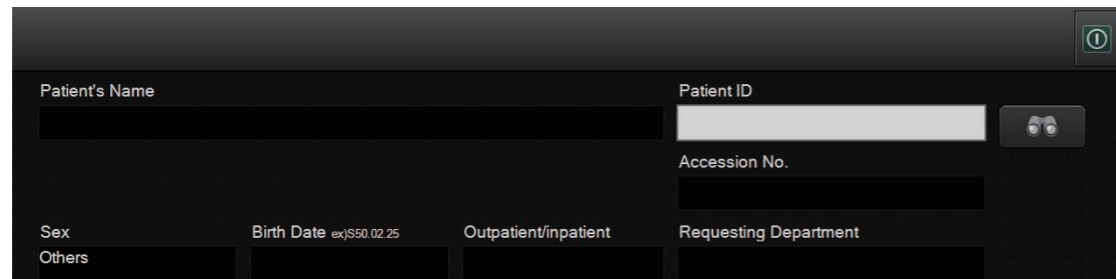
2. Enter the following.

User name : 11111

Password : 11111

3. Click [Login].

→ The DR-ID 800CL-AP starts running.



The screenshot shows a patient information form with several fields. 'Patient's Name' and 'Patient ID' are at the top. Below them are 'Accession No.', 'Sex', 'Birth Date' (with an example 'ex)S50.02.25'), 'Outpatient/inpatient', and 'Requesting Department'. There are also some icons on the right side of the form.

DXL07040003.ai

◆ NOTE ◆

A window like that shown below opens in case the date and time displayed on the PC are older than those when it was started last time.

Click [OK] on the window that opens, and set correct date and time on the "Date/Time Properties" window.



DCL41002.ai

If this window opens, the PC battery is possible to be dead. Use the procedure below to check.

1. Set the current date/time.
2. Turn OFF the power of the DR system on the Mobile X-ray Unit.
3. After a few minutes, turn ON the power of the DR system on the Mobile X-ray Unit.
4. Check to see that the set date/time are correct. If the date/time values revert back to those before settings, have the battery be changed.

4. Make sure that the DR-ID 800CL-AP is up and running properly.

5. Click "Shut Down" in the  menu.

→ The exit window opens.

6. Click  while holding down the <Shift> key.

→ The system returns to the desktop screen.

4.1.2 OS Setup

Perform the following OS-related setup.

- Setting the date, time and time zone.

■ Setting the date, time, and time zone

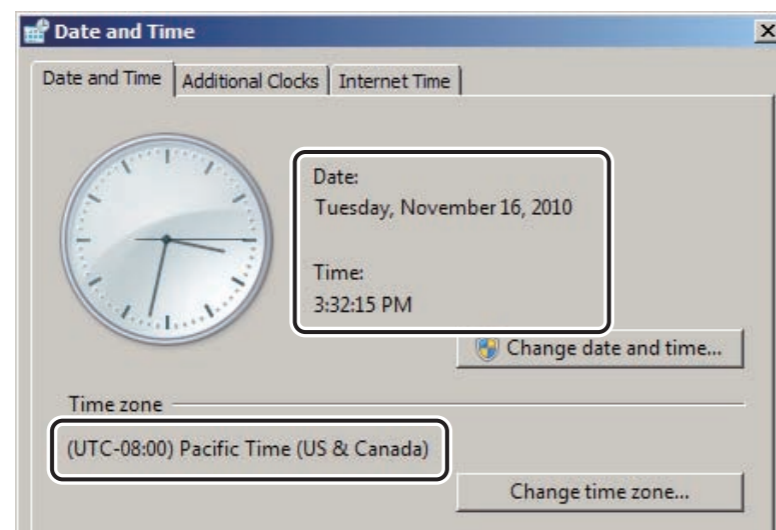
1. Select “Control Panel” from the  menu.

→ The “All Control Panel Items” window opens.

2. Click  **Date and Time** .

→ The “Date and Time” window opens.

3. Verify the date, time and time zone.
If the date, time, and time zone indicated are incorrect, correct them accordingly and then click [Apply].



DXL07040004.ai

4. Click  .

→ The system returns to the “All Control Panel Items” window.

5. Close the “All Control Panel Items” window.

→ The system returns to the desktop screen.

4.1.3 Touch Panel Monitor Setups/ Operational Verification

Set the touch panel monitor and verify its operation.

■ Verifying touch panel

Verify the the touch panel.

1. Touch  at the upper right corner of the window.

→ The launcher window opens.

2. Touch  on the launcher.

→ Soft keyboard opens.

3. Touch  on soft keyboard.

→ The Windows Start menu opens.

4. Double touch the date at the lower right corner of the window.

→ The “Date/Time Properties” window opens.

5. Touch [OK].

→ The system returns to the desktop screen.

■ Checking the contrast and brightness settings


Check the contrast and brightness of the display.

◆ NOTE ◆

The shape and name of the icon may vary with the versions of Intel(R) Graphics and Media. When a different version is installed, perform the work by replacing the names in the following procedures.

1. Select “Control Panel” from the  menu.

→ The “All Control Panel Items” window opens.

2. Click  Intel(R) Graphics and Media .

→ The “Intel(R) Graphics and Media Control Panel” window opens.

3. Select “Color Correction” tab and check the set up data is as follows.



- I. Color : All Color
- II. Brightness : 0
- III. Contrast : 50
- IV. Ganma : 1.0

4. Close the “Intel(R) Graphics and Media Control Panel” window.

→ The system returns to the “All Control Panel Items” window.

5. Close the “All Control Panel Items” window.

→ The system returns to the desktop screen.

4.1.4 Setup for Addition of Descriptive Characters to Icons [Applicable only in Japan]

4.1.5 Option Key Installation

The following option keys are available. Install necessary option keys in compliance with the DR-ID 800CL installation specifications.

Function	Product Abbreviation	Description
Print output	DX CL DICOM PRINT	DICOM Print function ^{*1}
Image storage assurance	DX CL DICOM COMMITMENT	A function assuring that an image has surely been stored in the archiver unit.
Image processing	DX CL SHUTTER-PROC	Shuttering processing ^{*1}
	DX CL GPR	Grid pattern removal processing function ^{*1}
Acquisition of patient information	DX CL DICOM ORDER MWM	DICOM worklist function ^{*1}
	DX CL DICOM ID MWM	DICOM worklist function (acquiring only patient information)
	DX CL DICOM MPPS	DICOM PPS function To be installed basically in combination with MWM.
Other	DX CL RETAKE ANALYSIS	A function that stores/calculates information on exposure/mis-exposure. ^{*1}
	DX CL RUQC	Image Reader QC function
	DX CL MOTION DETECTION	General exposure motion detection function

^{*1} Configuration option of DX CL 800CL OP KIT

➡ REFERENCE

Each option key is supplied on one dedicated disk for each product.

The installation procedure is described below.
 The same installation procedure applies to all the option keys.

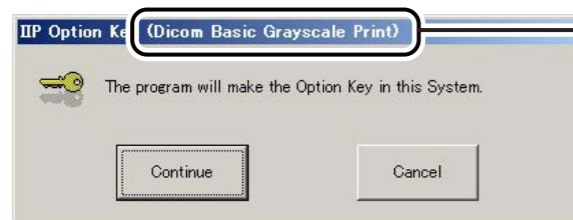
 For the option key uninstallation procedure, see “Appendix 7 Uninstalling the AP” under “Appx IN”.

1. Insert an option key disk into the disk drive.

→ The installation start window automatically opens in several seconds.

◆ NOTE ◆

In case the installation start window does not open automatically, double-click the execution file (Filename extension: exe) in the Disk.



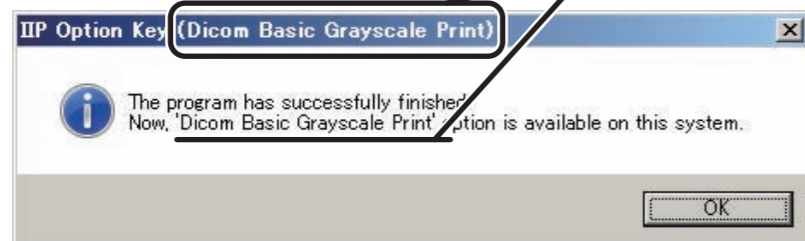
The indication varies with the option key for installation.

DCL70410.EPS


2. Click .

→ A window opens to indicate the completion of installation.

The indication varies with the option key for installation.



D80C010704011.ai

3. Click .

→ The system returns to the desktop screen.

4. Remove the Disk from the disk drive.

5. To install other option key, change the Disk and repeat steps 2 through 4.

4.1.6 AP Key Installation

◆ NOTE ◆

Install the AP key after all option keys have been installed.

The reason is that installing the option keys when the AP key has been enabled disables that AP key. As a result, the OM0007 error will occur and DR-ID 800CL will not start up.

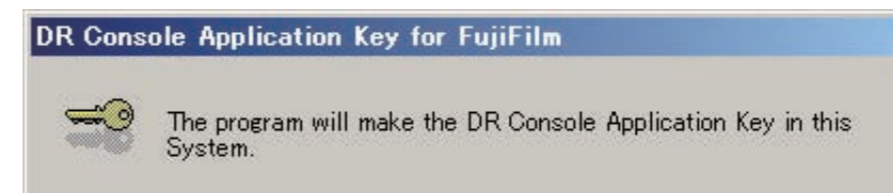
Install the AP key as follows:

1. Insert the AP key Disk into the disk drive.

→ After a while, the installation start window automatically opens.

◆ NOTE ◆

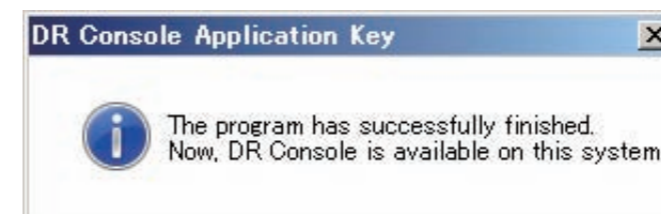
In case the installation start window does not open automatically, double-click the execution file (Filename extension: exe) in the Disk.



DXL309001.ai

2. Click .

→ A window opens to indicate the completion of installation.



DCL44010.ai

3. Click .

→ The system returns to the desktop screen.

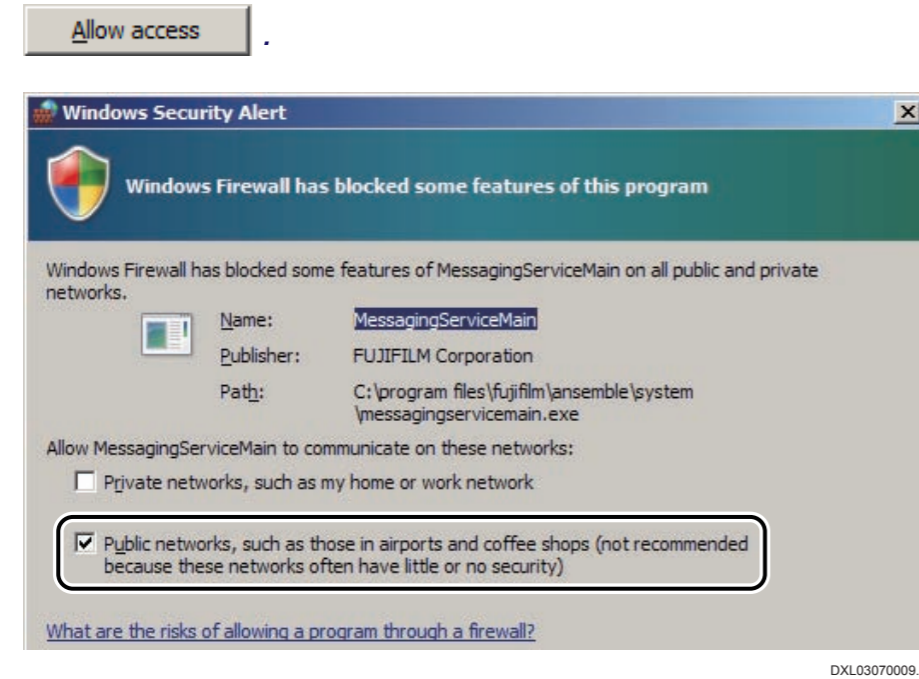
4. Remove the Disk from the disk drive.

4.1.7 DR-ID 800CL Startup Verification

Verify the normal startup of the DR-ID 800CL.

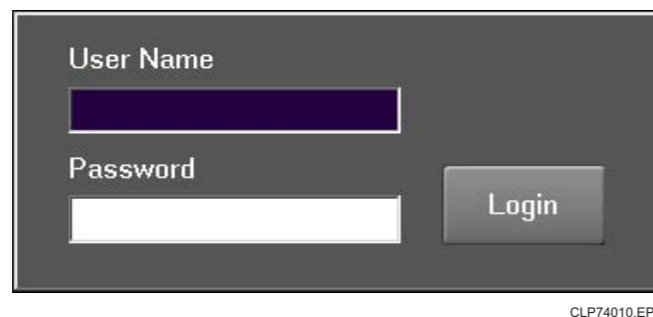
◆ NOTE ◆

When the DR-ID 800CL is started for the first time, the following window may open. Place a checkmark to the “Public Network” and click



1. Turn ON the power of the DR system on the Mobile X-ray Unit.

→ The Log-in window opens.

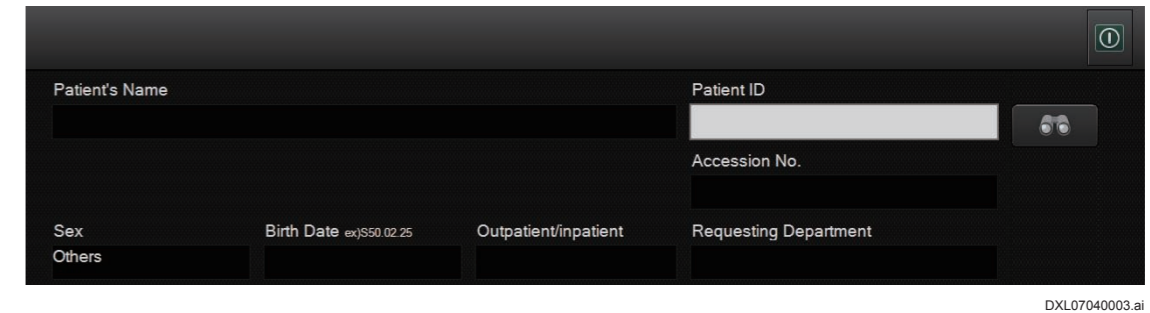


2. Enter the following.

User name : 11111
Password : 11111

3. Click [Login].

→ The DR-ID 800CL-AP starts running.



4. Click “Shut Down” in the [Shut Down] menu.

→ The exit window opens.

5. Click [OK] while holding down the <Shift> key.

→ The system returns to the desktop screen.

4.2 Settings on the DR-ID 800CL for Connection with the FPD

Use the Service Utility to set up the following items:

- DR-ID 800CL system information
- Optimizing the monitor display
- Menu database replacement (required only for equipment used abroad)

4.2.1 Starting the Service Utility

1. Click  and then sequentially choose “All Programs”, “Fuji Film”, and “Console Advance”.

→ The DR-ID 800CL-AP starts up.

2. Within a few seconds after the initial window opens, sequentially click the upper left and upper right corners of the window.




Click the upper left corner and then the upper right corner.



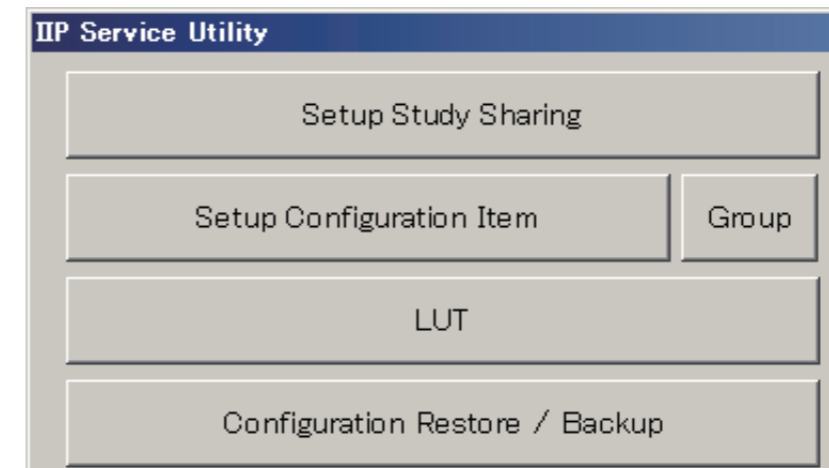
DXL03100001.ai

➔ REFERENCE

If you cannot complete step 2. from the initial window within a 3-second period and allow the AP to start up, perform the following steps to start the Service Utility.

1. Click “Shut Down” in the  menu.
2. Click  while holding down the <Shift> key.
3. From the  menu, sequentially choose “All Programs”, “Fuji Film”, and “Console Advance”.
4. When the initial window opens, sequentially click its upper left and upper right corners within a period of 3 seconds.

➔ The Service Utility starts. The “IIP Service Utility” window opens.



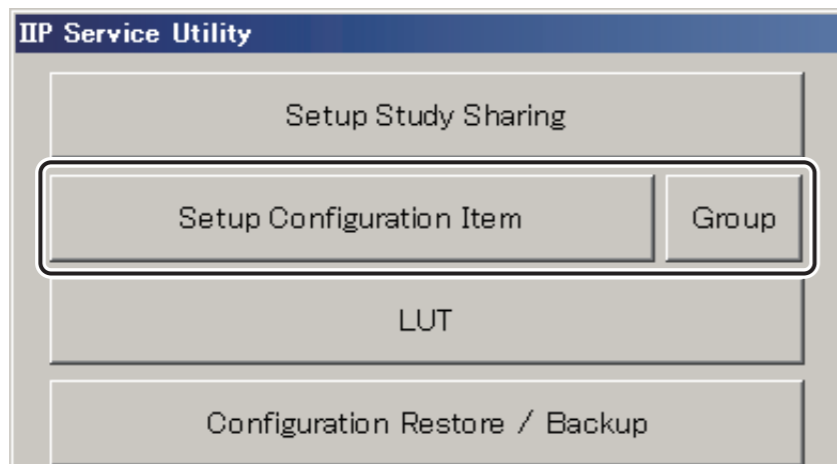
DXCL100810002.ai

4.2.2 DR-ID 800CL System Information Setup


Complete setup concerning DR-ID 800CL system information as directed in this section.

■ Setting the system information

1. From the “IIP Service Utility” window, click [Setup Configuration Item].



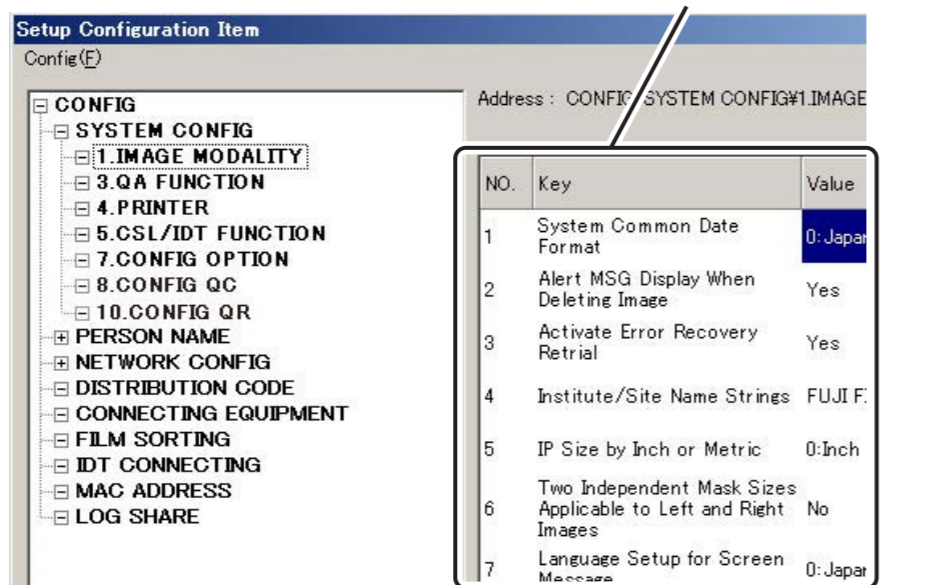
→ The “Setup Configuration Item” window opens.

2. Click the  sign within **SYSTEM CONFIG** in the “Setup Configuration Item” window.

3. Click **1.IMAGE MODALITY**.

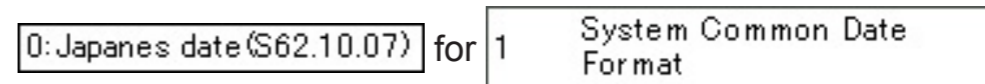
→ The DR-ID 800CL system information setup items appear.

Items for DR-ID 800CL system setup



4. Enter setup data as directed below.

- Make a date format selection by double-clicking



- 0: Japanese date (S62.10.07) [Default]
- 1: ANSI long date (1987.OCT.07)
- 2: ANSI short date (1987.10.07)
- 3: American long date (OCT.07.1987)
- 4: American short date (10.07.1987)
- 5: European long date (07.OCT.1987)
- 6: European short date (07.10.1987)

◆ NOTE ◆

Use “System Common Date Format” to specify the date format. If you change the date format, the following items of information are changed to match the newly selected format.

- Date output on film
- Format for birth date input
- Date displayed by DR-ID 800CL-AP
- Other date indications

- Make a hospital name entry (one-byte characters) by double-clicking



◆ NOTE ◆

Use “Institute/Site Name Strings” to enter a hospital name string of one-byte characters for use in the DR-ID 800CL system.

The default hospital name is “FUJI FILM HOSPITAL”. Change this entry to a hospital name string of one-byte characters as defined by a specific hospital.

You can enter a string of up to 60 characters.

- Use

7	Language Setup for Screen Message
---	-----------------------------------

 to specify the language to be used.

- 0 : Japanese
- 1 : English
- 2 : German
- 3 : French
- 4 : Spanish
- 5 : Italian
- 6 : Swedish
- 7 : Finnish
- 8 : Danish
- 9 : Norwegian
- 10 : Korean
- 11 : ChineseSimplified
- 12 : ChineseTraditional
- 13 : Portuguese
- 14 : Polish
- 15 : Hungarian
- 16 : Czech
- 17 : Russian
- 19 : Turkish
- 21 : Greek
- 22 : Romanian

- Double-click

富士フィルム病院

 for

8	Institute/Site Name in Two-Byte Characters
---	--

 to enter a hospital name (consisting of two-byte characters).

◆ **NOTE** ◆

Use "Institute/Site Name in Two-Byte Characters" to enter a hospital name string of two-byte characters for use in the DR-ID 800CL system.

The default hospital name is "富士フィルム病院". Change this entry to a hospital name string of two-byte characters as defined by a specific hospital.

You can enter a string of up to 15 two-byte characters.

5. Change the other items of system information as needed.

Item number	Description
3	Setup of a process to be performed after an abnormality occurrence.
13	Specifying the series generation logic.
14	Setting the system ID. Assign a unique ID individually for each equipment unit.
22	Specifying the font sizes of the ID number and other items for CRT display and film annotation character printing.

Item number	Description
34	Specifying whether or not to output an exposure result data file.
35	When "0:DX" is specified for item no. 54, set this item to "0:MG".
37	Specifying whether or not to use the user authentication function.
38	Specifying whether the radiographer name field should display the name of a user who logs in with the user authentication function.
54	Setup of a study modality handled on the DR-ID 800CL. When "0:DX" is selected for the "Modality setup", use the User Utility or Menu Information Import Export Tool to set up the DX parameter.
67	Specifying whether to enable or disable the Service Utility password function.
301	Specifying whether or not to enables the free size trimming function.
305	Password for the guest account of User Utility. (The user name is fixed as "Guest".) When "Yes" is specified for item no. 37, the guest account becomes invalid.
315	Specifying whether or not to display the Selector Setting window in the User Utility.
318	Specifying the trimming size used when determining the trimming size with the exposure field auto recognition. To connect DR-ID 613SE, set to "24CMX30CM".
340	Setting the password for the admin account of the User Utility. (The user name is fixed as "VIP".) When "Yes" is specified for item no. 37, the admin account becomes invalid.
351	Setting allowable trimming sizes for the manual trimming.

For details on individual setup items, see **"3.4 Configuration Details — 1. IMAGE MODALITY"** under **"MU: Maintenance Utility"**.

■ Setting the film annotation character format

Use the following procedures to change the image information output on film, film annotation character format and presence/absence of image frame.

1. From the “Setup Configuration Item” window, click

 **4. PRINTER**.

→ The printer configuration setup items appear in the right-hand area of the window.

2. Set the film annotation character format.

 For details on the setup procedure and setup items, see the [“3.6 Configuration Details — 4. PRINTER”](#) of [“MU: Maintenance Utility”](#).

3. From the “Config” menu, choose “Save”.

→ A window opens, prompting you to confirm the setup data to be saved.

4. Click  **.**

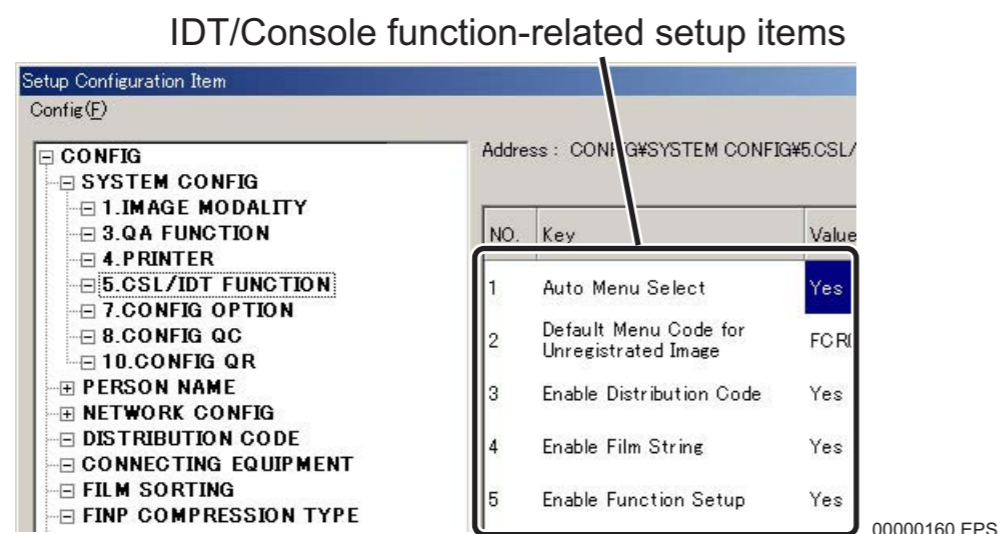
→ The system saves the setup data.

■ Setting the CSL/IDT FUNCTION

To change the way how to display various items manipulated on the DR-ID 800CL or the number of characters to be displayed, use the procedure described below.

1. Click **5.CSL/IDT FUNCTION** on the “Setup Configuration Item” window.

→ Setup items relating to the IDT function will be displayed on the right-hand side of the window.



2. Set up the CSL/IDT function, as required.

Table CSL/IDT Function Setup Item List

No.	Name	Selection	Meaning
15	Examination No. Length	1 to 16 (⊙ 10)	Setting the Accession No. length (1 to 16). * Set 6 or larger when 1 is set for “29. Study Number Issuance Logic Setup” and 14 or larger when 2 is set * Be sure to enter one-byte characters on the keyboard.

⊙: Default setting, *: Note

No.	Name	Selection	Meaning
16	Examination No. Padding Method	<input checked="" type="radio"/> 0 : Pad with space to the head (1234567) Right-padded with spaces to the head. <input type="radio"/> 1 : Pad with zero to the head (0001234567) Right-padded with zeros to the head. <input type="radio"/> 2 : Pad with space to the tail (1234567) Left-padded with spaces to the tail. <input type="radio"/> 3 : Pad with zero to the tail (1234567000) Left-padded with zeros to the tail.	Specifying the Accession No. padding method.
17	Patient ID Length	1 to 64 (⊙ 10)	Setting the patient ID length. * Be sure to enter one-byte characters on the keyboard. * To specify the number of characters that exceeds 11, set “Yes” for No. 22 Long Type Character Format of IMAGE MODALITY.
18	Patient ID Padding Method	<input checked="" type="radio"/> 0 : Pad with space to the head (1234567) Right-padded with spaces to the head. <input type="radio"/> 1 : Pad with zero to the head (0001234567) Right-padded with zeros to the head. <input type="radio"/> 2 : Pad with space to the tail (1234567) Left-padded with spaces to the tail. <input type="radio"/> 3 : Pad with zero to the tail (1234567000) Left-padded with zeros to the tail.	Specifying the patient ID padding method. * The setup value becomes invalid if the mass screening order issuance function is activated.

⊙: Default setting, *: Note

No.	Name	Selection	Meaning
22	Requesting Dept. Name Field Setup	<input checked="" type="radio"/> 0 : Code Displays the requesting department code. <input type="radio"/> 1 : NameSbcs Displays the requesting department name in alphanumerics. <input type="radio"/> 2 : NameDbcs Displays the requesting department name in kanji.	Setting the content of the menu to be displayed in the requesting department name field.
23	Technician's Name Field Setup	<input checked="" type="radio"/> 0 : Code Displays the technician's code. <input type="radio"/> 1: NameSbcs Displays the technician's name in alphanumerics. <input type="radio"/> 2 : NameDbcs Displays the technician's name in kanji.	Setting the content of the menu to be displayed in the technician's name field.
348	Display Calibration Dialog	<input checked="" type="radio"/> No Not displayed. <input type="radio"/> Yes Displayed.	Setting whether or not to display a warning message at the time of calibration.

⊙: Default setting, *: Note

 For details on individual setup items, see **“3.7 Configuration Details — 5. CSL/IDT FUNCTION”** under **“MU: Maintenance Utility”**.

3. Select “Save” from the “Config” menu.

→ A window opens prompting you to confirm the setup data to be saved.

4. Click  .


→ The system saves the setup data.

■ Setting the FPD

Perform the HostName and IP Address settings for the FPD registered to the DR-ID 800CL.

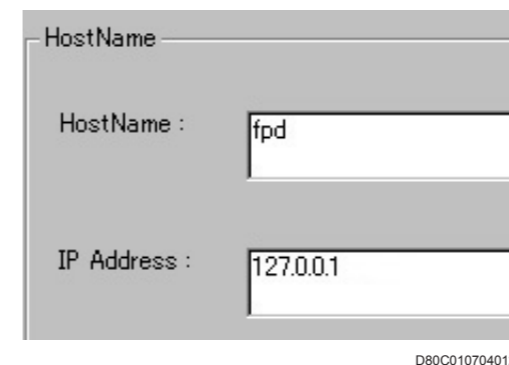
1. Click the  sign within  in the “Setup Configuration Item” window.

2. Click the  sign within .

3. Click Host Name (e.g.: ) for the FPD registered to the DR-ID 800CL.

→ Setup data for the FPD's Host Name appears on the right-hand side of the window.

4. Change HostName and IP Address of the FPD as required.



5. For any setup data changed, select “Save” from the “Config” menu.

→ A window opens prompting you to confirm the setup data.

6. Click  .

→ The setup data will be saved accordingly.

◆ NOTE ◆

Do not perform MPC settings because MPC is not used on the DR-ID 800CL system.

4.2.3 Registering the Image Detector

1. Start the DR-ID 800CL Service Utility.

→ The “IIP Service Utility” window opens.

2. Click [Device Setting].

3. Click [Add].

→ The “Data Type” window opens.

4. Perform the following settings.

The screenshot shows a dialog box titled "Data Type" with the following fields and labels:

- I: Device Name (text input)
- II: FPD Device ID (text input)
- III: Device Type (dropdown menu)
- IV: Device Color (dropdown menu with a color selection box next to it)
- V: Enable X-Free (dropdown menu)

Buttons for "OK" and "Cancel" are at the bottom.

DXCL040415001.ai


- I. Set the name of the Image Detector with 1 to 5 characters without using a same name as other Image Detectors.
- II. Set the ID of the Image Detector with 1 to 16 one-byte alphanumeric characters without using a same ID as other Image Detectors.
- III. Select the device type from the following:
 - BENE0
 - FDR AcSelerate
 - CALNEO U/MT/MB
 - CALNEO-C/FDR D-EVO (DR-ID 601SE/DR-ID 602SE)*¹
 - CALNEO-C SQ/FDR D-EVO plus (DR-ID 611SE/DR-ID 612SE)*¹
 - FDR AcSelerate_CSI
 - CALNEO HC SQ (only in Japan)
 - CALNEO-C mini/D-EVO plus C24 (DR-ID 613SE)*¹

*1 : Device which can be connected to the DR-ID 800CL

- IV. Set the color to identify the device (as required).
 - Pink
 - Yellow
 - Orange
 - Blue
 - Purple
- V. Set whether or not the DR cassette has X-ray automatic detection function.
 - Yes
 - No

◆ NOTE ◆

For DR-ID 800CL, select “No”.

5. Click  .

→ The system returns to the “IIP Service Utility”.

◆ NOTE ◆

If there are multiple readers, repeat steps 3 through 5 to register them.

6. Click [Cancel].

→ The system returns to the main menu.

4.2.4 Setting the Selectors

This section describes the procedure used for setting the selectors.

1. Start the DR-ID 800CL Service Utility.

→ The “IIP Service Utility” window opens.

2. Click [Selector Setting].

→ The “Selector Setting” window opens.

3. Perform the following setup steps:

D80C010704013.ai

- I. Choose a selector tab.
- II. Set the Technique Code paying attention not to set the same code with other selectors.

◆ NOTE ◆

- When connecting with the X-CON, set up in accordance with the X-CON. Set up the exposure menu also in accordance with the X-CON. If the X-ray tube/technique code which has been set to the exposure menu does not exist in the selectors, the selector which has been set as the *InitialActiveButton* will be set.
- The default value of the Technique Code is “2”.
- When multiple readers have been registered, also register multiple selectors. However, set the Technical Code to a number other than “2”.
- When the Technical Code has been set as a number other than “2”, edit “*TechniqueCodeConvertTbl.ini*” and specify the Technique Code as “2”.

For details of setting the Technique Code, see “[Appendix I Setting the Technique Code](#)” under “[MU: Maintenance Utility](#)”.

- III. Select a device to be added to the selector (use the host name for selection).
- IV. Choose a Reader Type.
 - CR-Cassette : CR Cassette
 - Velocity U : Velocity upright position
 - Velocity T : Velocity supine position
 - FPD-U : DR built-in upright position
 - FPD-T : DR built-in supine position
 - FPD-C*1 : DR Cassette
- *1 : ReaderType which can be set to the DR-ID 800CL
- V. Enter the character string (consisting of up to five characters) to be displayed on the selector button.
- VI. Choose a icon to be used.

◆ NOTE ◆

Select a file with “_S” at the end of the name, which is a small icon for 0.7M monitor.

VII. Set the name of the Image Detector.

VIII. Select the Tube Number.

➔ **REFERENCE**

The tube number can be selected but it is invalid.

IX. To restore the currently edited selector to the status that prevailed at DR-ID 800CL startup, turn this radio button ON.

◆ **NOTE** ◆

When multiple readers have been configured, repeat I through IX to perform the configuration of selectors.

4. Click .

➔ You are then returned to the main menu.

◆ **NOTE** ◆

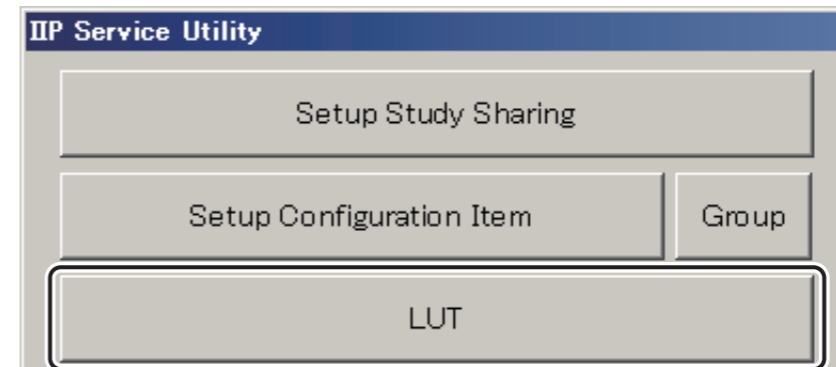
- If the host name is changed for the equipment whose “ReaderType” is selected as other than “Cassette”, you must select the “hostName” again since the “Shot Ready” icon will be hidden when the host name has been changed.
- If the same technique code is to be set to different selectors, the Technique Code needs to be set by editing the “TechniqueCodeConvertTbl.ini” file.

 For details on the setup procedures, see “Appendix I Setting the Technique Code” under “MU: Maintenance Utility”.

4.2.5 Optimizing the Monitor Display [Setting Done Prior to Shipment]

Set the LUT file as follows to optimize the image display of the monitor that is being used.

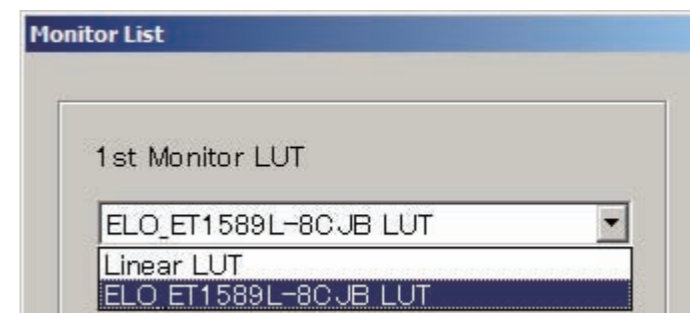
1. Click [LUT] on the “IIP Service Utility” window.



DXCL100704001.ai

➔ The “Monitor List” window opens.

2. Select “ELO_ET1589L-8C JB LUT” and click .



D80C010704005.ai

➔ **REFERENCE**

You can confirm the kind of the LUT file set in DR-ID 800CL by comparing the update dates and sizes of the following files, and the file contents when the file is opened in the notepad.

- The LUT file set in DR-ID 800CL.
The “PL-r22.env” file in the “C:\Program Files\FujiFilm\IIP\Config\” folder.
- The LUT file settable in DR-ID 800CL.
The env file in the “C:\Program Files\FujiFilm\IIP\Lut\” folder.

➔ Settings are thus completed, and the system returns to the “IIP Service Utility” window.

4.2.6 Changing the Menu Database

To change an exposure menu or image processing parameter, the menu database must be replaced following individual procedures.

■ For V7.0

◆ NOTE ◆

Pay attention to the fact that exposure menu and selector settings will revert to the default if a menu database is replaced.

➔ REFERENCE

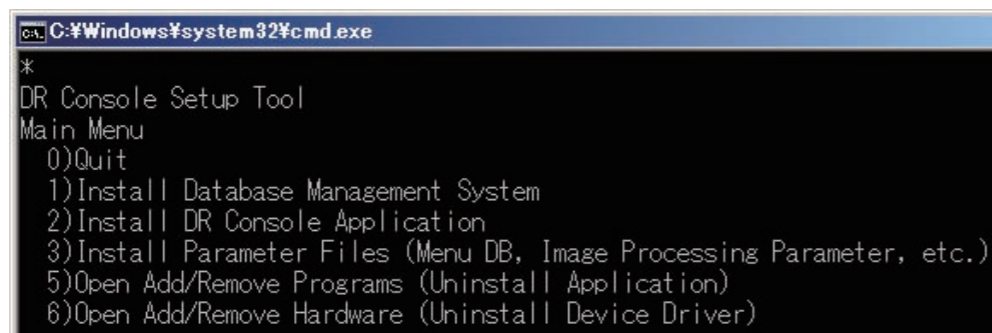
If the language of the OS is Japanese, the “Japanese” exposure menu for filming has been installed. If it is English, the “English(Other than U.S.)” exposure menu for filming has been installed.

1. Insert the DR-ID 800CL-AP Disk into the disk drive.

➔ The “DR Console Setup Tool” main menu automatically opens.

◆ NOTE ◆

- In case the installation start window does not open automatically, double-click the execution file (Setup.bat) in the Disk.
- The items displayed in the “DR Console Setup Tool” vary with the versions of DR-ID 800CL.

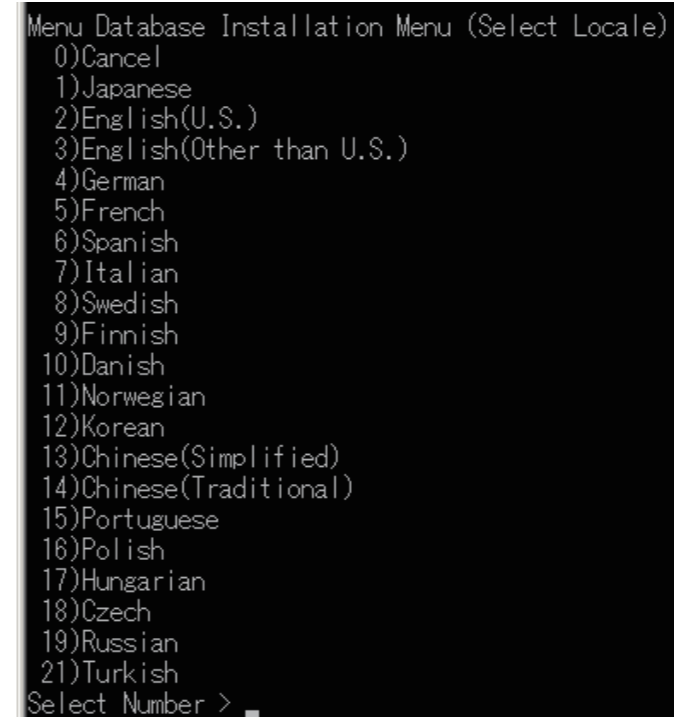


```
C:\Windows\system32\cmd.exe
*
DR Console Setup Tool
Main Menu
0)Quit
1)Install Database Management System
2)Install DR Console Application
3)Install Parameter Files (Menu DB, Image Processing Parameter, etc.)
5)Open Add/Remove Programs (Uninstall Application)
6)Open Add/Remove Hardware (Uninstall Device Driver)
```

DXL03040002.ai

2. Enter “3” and press the <Enter> key.

➔ A window like that shown below opens.



```
Menu Database Installation Menu (Select Locale)
0)Cancel
1)Japanese
2)English(U.S.)
3)English(Other than U.S.)
4)German
5)French
6)Spanish
7)Italian
8)Swedish
9)Finnish
10)Danish
11)Norwegian
12)Korean
13)Chinese(Simplified)
14)Chinese(Traditional)
15)Portuguese
16)Polish
17)Hungarian
18)Czech
19)Russian
21)Turkish
Select Number >
```

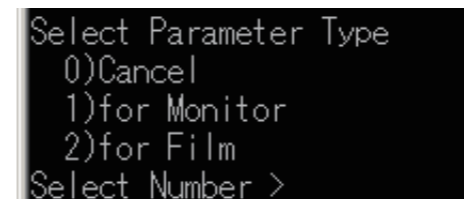
DXCL050304001.ai

3. Enter the item number of a language you wish to install and press the <Enter> key.

◆ NOTE ◆

Select a language without mammo menu in the countries where the mammo menu is not available.

➔ A window like that shown below opens.

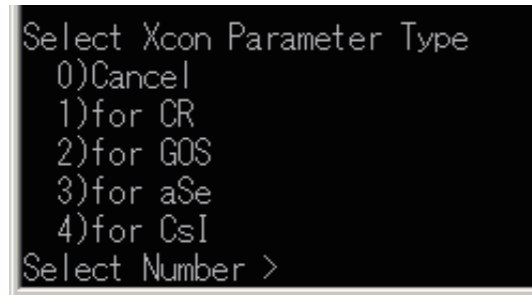


```
Select Parameter Type
0)Cancel
1)for Monitor
2)for Film
Select Number >
```

AWS35001.ai

4. Enter the item number of an image processing parameter (for Monitor/for Film) you wish to use, and then press the <Enter> key.

→ A window like that shown below opens.



DXCL070305001.ai

5. Enter “1” and then press the <Enter> key.

→ The message appears and replacement of the menu database completes.

6. Enter “0” and then press the <Enter> key.

→ The system returns to the desktop screen.

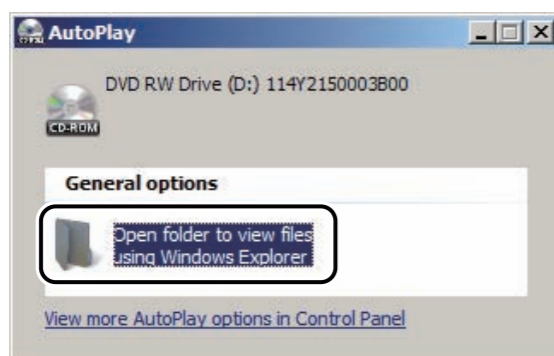
7. Remove the Disk from the disk drive.

◆ NOTE ◆

If “1)Japanese” or “2)English(U.S.A without mammo menu)” has been installed in step 3, the procedures from step 8 must also be performed.

8. Insert the Standard Kit Disk into the disk drive.

9. Click “Open folder to view files”.



DXL03070010.ai

→ An explorer opens.

10. Copy the following files and overwrite files with the same names in “C:\Program Files\FujiFilm\IIP\Param”.

- “D:\Config\Selector.mdb”
- “D:\Param\XconParam.mdb”

11. Remove the Disk from the disk drive.

■ For V7.3 or later

◆ NOTE ◆

Pay attention to the fact that exposure menu and selector settings will revert to the default if a menu database is replaced.

➔ REFERENCE

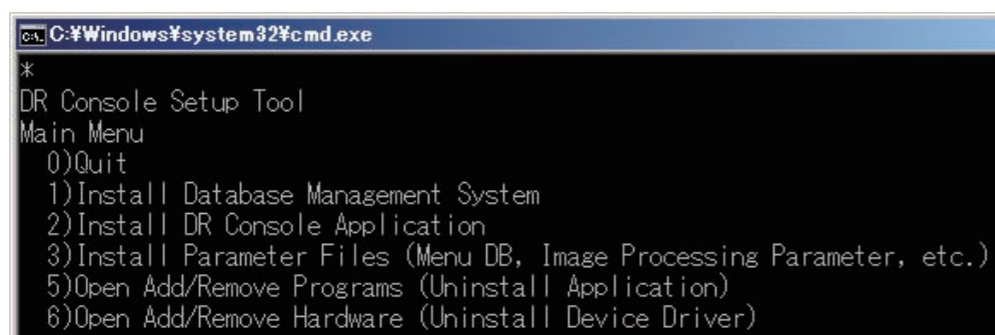
If the language of the OS is Japanese, the “Japanese” exposure menu for filming has been installed. If it is English, the “English(U.S.A without mammo menu)” exposure menu for filming has been installed.

1. Insert the DR-ID 800CL-AP Disk into the disk drive.

➔ The “DR Console Setup Tool” main menu automatically opens.

◆ NOTE ◆

- In case the installation start window does not open automatically, double-click the execution file (Setup.bat) in the Disk.
- The items displayed in the “DR Console Setup Tool” vary with the versions of DR-ID 800CL.

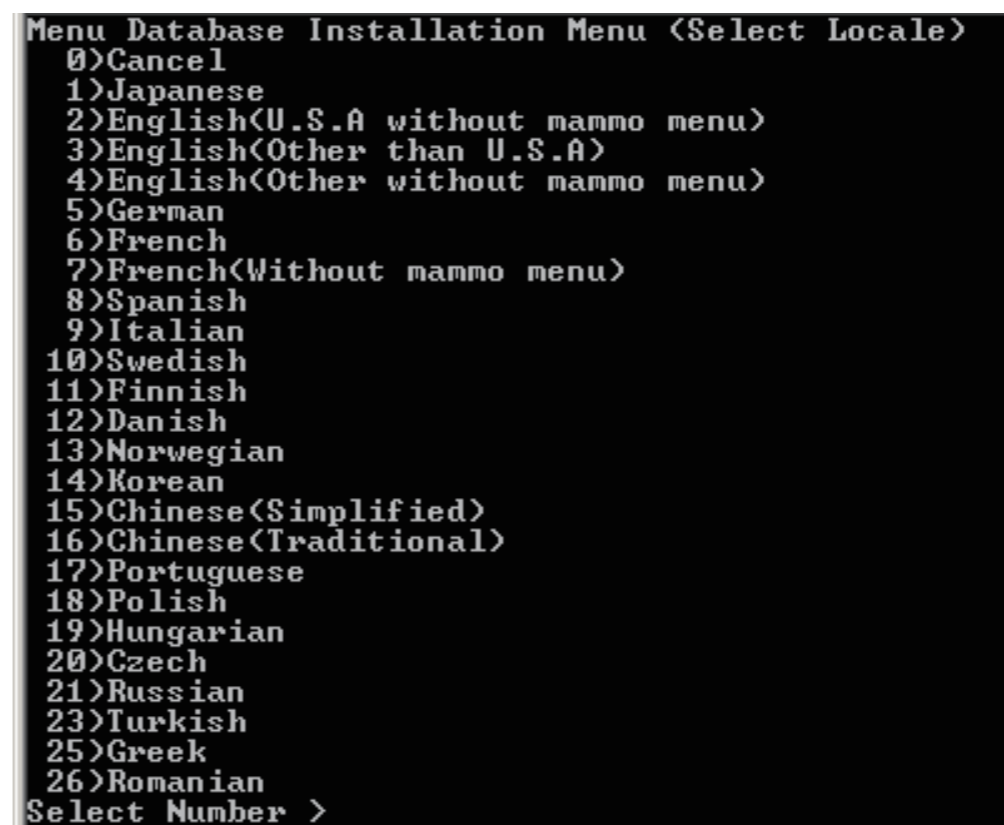


```
C:\Windows\system32\cmd.exe
*
DR Console Setup Tool
Main Menu
0)Quit
1)Install Database Management System
2)Install DR Console Application
3)Install Parameter Files (Menu DB, Image Processing Parameter, etc.)
5)Open Add/Remove Programs (Uninstall Application)
6)Open Add/Remove Hardware (Uninstall Device Driver)
```

DXL03040002.ai

2. Enter “3” and press the <Enter> key.

➔ A window like that shown below opens.



```
Menu Database Installation Menu <Select Locale>
0)Cancel
1)Japanese
2)English<U.S.A without mammo menu>
3)English<Other than U.S.A>
4)English<Other without mammo menu>
5)German
6)French
7)French<Without mammo menu>
8)Spanish
9)Italian
10)Swedish
11)Finnish
12)Danish
13)Norwegian
14)Korean
15)Chinese<Simplified>
16)Chinese<Traditional>
17)Portuguese
18)Polish
19)Hungarian
20)Czech
21)Russian
23)Turkish
25)Greek
26)Romanian
Select Number >
```

DXCL100302012.ai

3. Enter the item number of a language you wish to install and press the <Enter> key.

◆ NOTE ◆

Select a language without mammo menu in the countries where the mammo menu is not available.

➔ A window like that shown below opens.

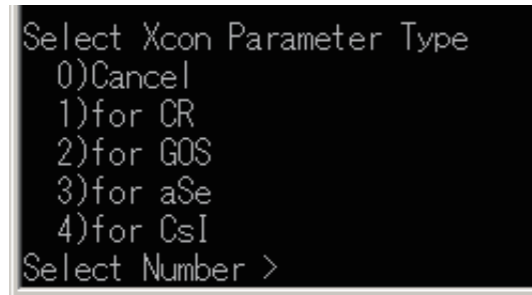


```
Select Parameter Type
0)Cancel
1)for Monitor
2)for Film
Select Number >
```

AWS35001.ai

4. Enter the item number of an image processing parameter (for Monitor/for Film) you wish to use, and then press the <Enter> key.

→ A window like that shown below opens.



DXCL070305001.ai

5. Enter “1” and then press the <Enter> key.

→ The message appears and replacement of the menu database completes.

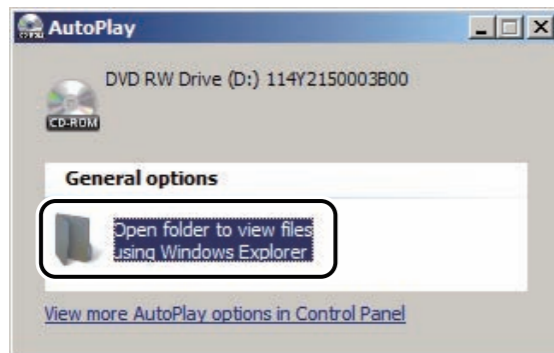
6. Enter “0” and then press the <Enter> key.

→ The system returns to the desktop screen.

7. Remove the Disk from the disk drive.

8. Insert the Standard Kit Disk into the disk drive.

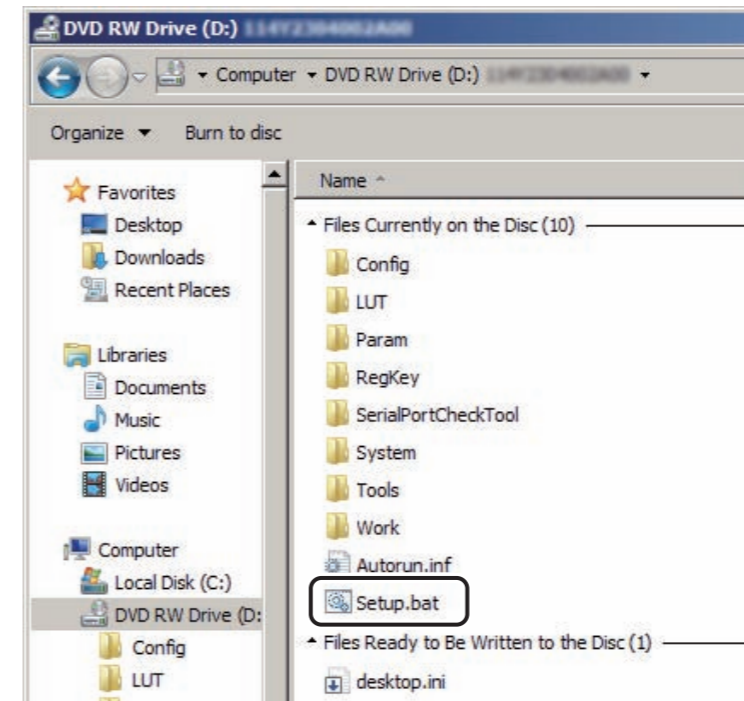
9. Click “Open folder to view files”.



DXL03070010.ai

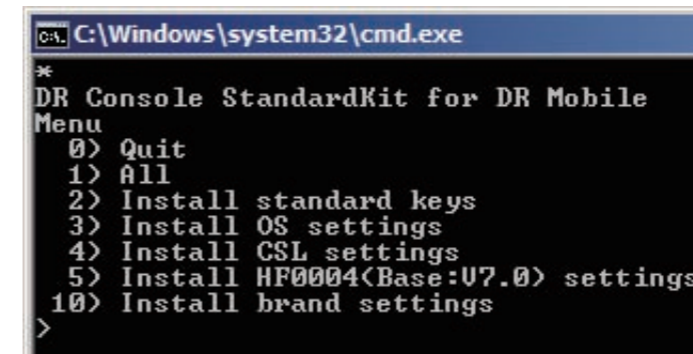
→ An explorer opens.

10. Click “Setup.bat”.



D80C030704001.ai

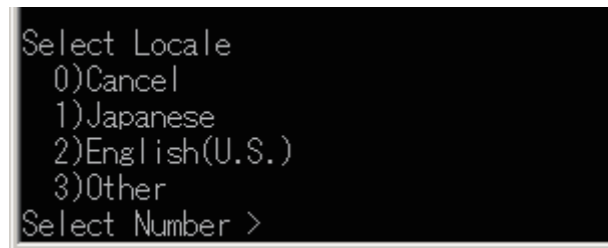
→ The “DR Console StandardKit for DR Mobile” window opens.



D80C020309004.ai

11. Enter “4” and press the <Enter> key.

→ A window like that shown below opens.



```
Select Locale
0)Cancel
1)Japanese
2)English(U.S.)
3)Other
Select Number >
```

DXCL080305001.ai

12. Enter the item number of a language you wish to install and press the <Enter> key.

13. Press the < Enter > key.

14. Enter “0” and press the <Enter> key.

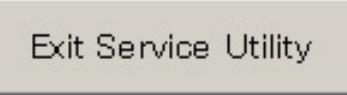
→ The system returns to the desktop.

15. Remove the Disk from the disk drive.

4.2.7 Exiting the Service Utility

1. From the “Setup Configuration Item” window, choose “Close” on the “Config” menu.

→ The “IIP Service Utility” window opens.


2. Click .

→ The system returns to the desktop screen.

4.3 Registration of Connection Settings of the In-Hospital Network (V7.3 or Later)

When using the network setting switching function, register connection settings of the in-hospital network as necessary.

◆ NOTE ◆

- The network setting switching function cannot be used on the in-hospital network in the following cases.
 - If it is connected with the in-hospital network only by a wired connection
 - If DHCP is used for connection with the in-hospital network
- Do not use the network setting switching function on the following networks.
 - The image local network
 - The network which shares the in-hospital network with the image local network
- If the same SSID is registered to the connection settings of multiple networks inside the hospital, set “No” in “368 Enable radio map in hospital network dialog” of “5. CSL/IDT FUNCTION”.
- If the in-hospital network is being connected by using a wireless network adapter and the function for switching network setting is used, do not start the utility application which is attached to the wireless network adapter. In addition, delete the utility application from  menu – “All Programs” – “Startup” so that the application does not start automatically when the DR-ID 800CL is started.

 For details on registration procedures, see “14.1 Registering the Network Adapter Settings” under “MU: Maintenance Utility”.

4.4 Setting Network Connection in PC with 2 NIC

An example of the setting network connection for PC with 2 NIC is shown below.

Change the IP address of the DR-ID 800CL as required.

◆ NOTE ◆

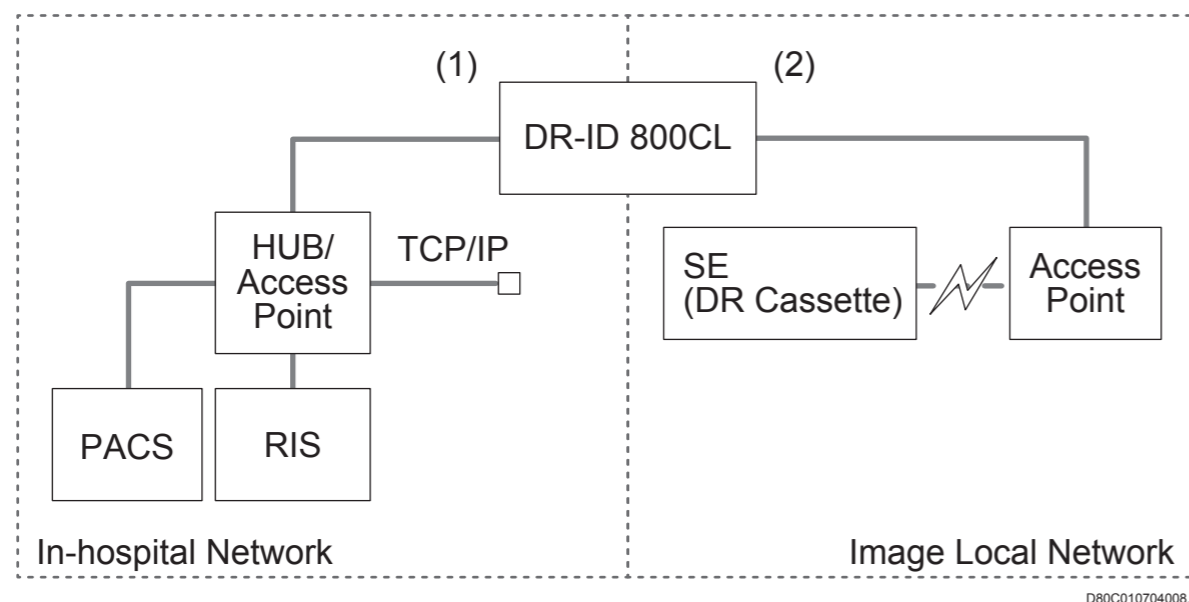
- Different IP addresses must be set to each NIC. They also must not belong to the same subnet.
- The LAN cables of the in-hospital network and the image local network must not be switched.
- IP addresses of wired connection and wireless connection of DR-ID 800CL must be set as different network addresses.

➡ REFERENCE

The IP addresses need to be changed in the following cases.

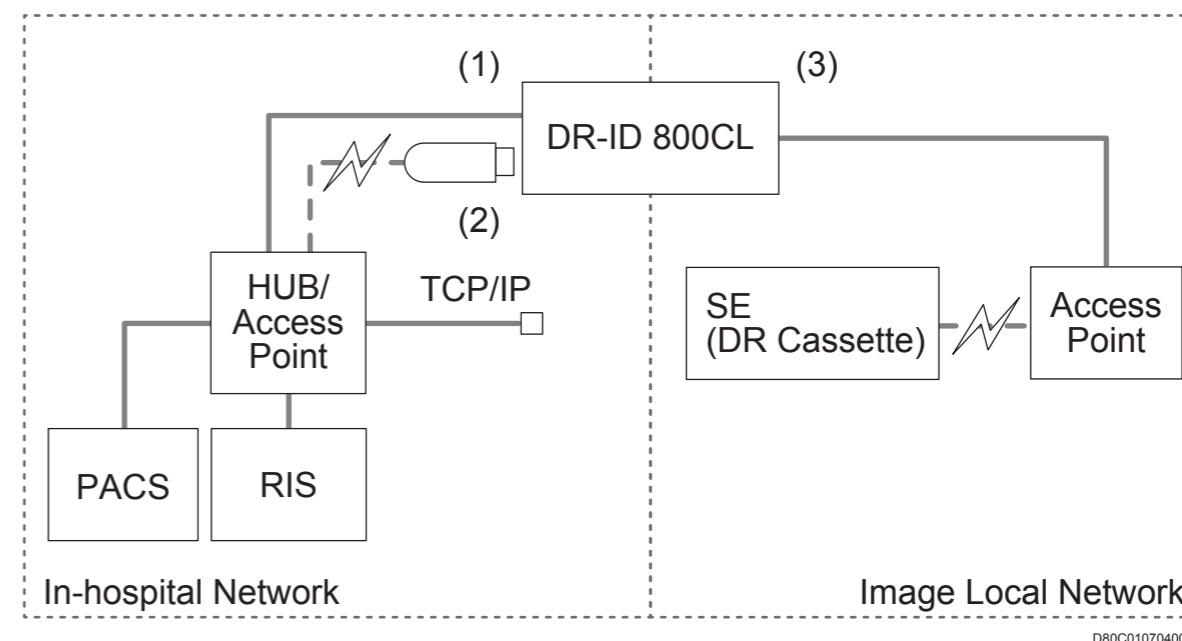
Case 1: When changing the DR-ID 800CL and SE IP addresses for reason of hospital network management.

■ Wired connection to both the in-hospital and image local networks



- (1) Wired connection of DR-ID 800CL and in-hospital network
The IP address of the NIC must be changed according to the in-hospital network.
 - (2) Wired connection of DR-ID 800CL and image local network
The IP address of the NIC must be set according to the image local network as below.
e.g.,) IP address : 192.168.0.10
Subnet mask : 255.255.255.0
- For the procedures for changing the DR-ID 800CL IP addresses, see [“Appendix 6 Changing the DR-ID 800CL IP Address”](#) under [“Appx IN”](#).

■ Wired and wireless connection to the in-hospital network and wired connection to the image local network



- (1) Wired connection of DR-ID 800CL and in-hospital network
The IP address of the NIC must be changed according to the in-hospital network.
 - (2) Wireless connection of DR-ID 800CL and in-hospital network
Set up the network adaptor connected to the DR-ID 800CL in accordance with the in-hospital network.
 For the procedures of changing the IP address of the wireless network adaptor, refer to the instruction manual attached to the wireless network adaptor.
 - (3) Wired connection of DR-ID 800CL and image local network
The IP address of the NIC must be set according to the image local network as below.
e.g.,) IP address : 192.168.0.10
Subnet mask : 255.255.255.0
- For the procedures for changing the DR-ID 800CL IP addresses, see [“Appendix 6 Changing the DR-ID 800CL IP Address”](#) under [“Appx IN”](#).

4.5 Setting the Priority Order of the Network Binding

Perform the priority order of the network binding settings.

1. Select “Control Panel” from the  menu.

→ The “All Control Panel Items” window opens.

2. Click  .

→ The “Network and Sharing Center” window opens.

3. Click “Change adapter settings” on the left side of the window.

→ The “Network Connection” window opens.

4. Select “Advanced Settings” from the “Advanced” menu.

➔ REFERENCE

If the menu bar is not displayed, press the <Alt> key to display it.

→ The “Advanced Settings” window opens.

5. Set the connections in the “Connection” field and the “Bindings for xxx” field (xxx is the connection name) so that they are displayed in the following priority order.

1. Wired connection to the in-hospital network
2. Wireless connection to the in-hospital network
3. Wired connection to the image local network

➔ REFERENCE

By setting the priority order for the network binding, “This Host” becomes the connection with the highest priority order of the connected network connections.

6. Click [OK].

→ The system returns to the “Network Connection” window.

7. Close the “Network Connection” window.

→ The system returns to the desktop screen.

4.6 Procedures for Changing the DR-ID 800CL Host Name

Procedures observed when the DR-ID 800CL host name is changed follow.

 See [“Appendix 5 Changing the DR-ID 800CL Host Name”](#) under [“Appx IN”](#).

4.7 DR-ID 800CL Setup for Connection to Other Equipment

This section explains about the software setup procedures to be performed when connecting the following equipment to the DR-ID 800CL.

- DICOM server
 -  See [“2. Software Setup”](#) under [“Appendix 10 DICOM CR Storage”](#) of [“Appx IN”](#).
- DICOM DX Storage
 -  See [“2. Software Setup”](#) under [“Appendix 11 DICOM DX Storage”](#) of [“Appx IN”](#).
- DICOM Printer
 -  See [“2. Software Setup”](#) under [“Appendix 12 DICOM Print”](#) of [“Appx IN”](#).
- RIS
 -  See [“2. Software Setup”](#) under [“Appendix 13 RIS: DICOM MWM/DICOM PPS”](#) of [“Appx IN”](#).
- X-CON
 -  See [“2. Software Setup”](#) under [“Appendix 19 X-Ray Controller”](#) of [“Appx IN”](#).
- DAP
 -  See [“2. Software Setup”](#) under [“Appendix 27 DAP \(Dose-area Product Meter\)”](#) of [“Appx IN”](#).

4.8 Barcode Reader Connection


When using the barcode reader, perform the following connection and setup.

- Barcode reader connection and setup

 For details on the connection, see [“Appendix 1 Connecting the Barcode Reader \[Option\]”](#) under [“Appx IN”](#).


4.9 Setting the DX Parameter

When “0:DX” is set up for the Modality setup (No. 54 of IMAGE MODALITY), DX parameter needs to be set up for the exposure menus. Provide the user with appropriate explanations with this regard. As requested by the user, use the User Utility or Menu Information Import Export Tool to set up the DX parameter for the DR-ID 800CL exposure menus.

 For details on how to operate the Menu Information Import Export Tool, see [“17. Menu Import Export Tool”](#) under [“MU: Maintenance Utility”](#).

4.10 Setting the Connection Device Status Icon (V7.3 or Later)

Change the threshold of the status icon displayed on the DR-ID 800CL as necessary.

 For details, see [“Appendix Q Setting the Connection Device Status Icons \(V7.3 or Later\)”](#) under [“MU: Maintenance Utility”](#).

5. Checkout Procedures

5.1 Checking the Connection between the DR-ID 800CL and FPD

5.2 Checking the Connection between the DR-ID 800CL and Other Equipment

5.3 Checking the Output Image

5.4 Operation Check of the Network Switching Function

5.1 Checking the Connection between the DR-ID 800CL and FPD

1. Turn ON the FPD (DR system) power. If it is already ON, you do not have to do anything here.
2. Start running the DR-ID 800CL-AP.

5.2 Checking the Connection between the DR-ID 800CL and Other Equipment

Check the connection to the following equipment.

- DICOM server
 - ☞ See “3. Connection Checkout” under “Appendix 10 DICOM CR Storage” of “Appx IN”.
- DICOM DX Storage
 - ☞ See “3. Connection Checkout” under “Appendix 11 DICOM DX Storage” of “Appx IN”.
- DICOM Printer
 - ☞ See “3. Verifying the Connection” under “Appendix 12 DICOM Print” of “Appx IN”.
- RIS
 - ☞ See “3. Verifying the Connection” under “Appendix 13 RIS: DICOM MWM/DICOM PPS” of “Appx IN”.
- X-CON
 - ☞ See “3. Verifying the Connection/Data Exchange” under “Appendix 19 X-Ray Controller” of “Appx IN”.
- DAP
 - ☞ See “3. Verification” under “Appendix 27 DAP (Dose-area Product Meter)” of “Appx IN”.

5.3 Checking the Output Image

Run the following checks on the output image.

- Format check
- Irregularity, sensitivity and density checks
- Film annotation character format

■ Exiting the DR-ID 800CL-AP

1. Shut down the DR-ID 800CL-AP.
 - The DR-ID 800CL exits returning then to the desktop.

5.4 Operation Check of the Network Switching Function

If the network switching function is used, check the following items.

- Receipt of orders
- Exposure
- Distribution and printing of images
- Transfer of the area and switching of the network connection

If any problem occurs, check the settings according to the detail of the problem.

■ If it is impossible to communicate with a machine in the in-hospital network

1. Check if it is possible to communicate with the concerned machine by a wired connection.
2. Check if there is any mistake with the settings of “Service Utility” – “Setup Configuration Item” – “NETWORKCONFIG”.
3. Check if a ping command is executed successfully with the concerned machine in the state it is connected wirelessly.
4. Check if the IP address registered in “Service Utility” – “Network Adapter Configuration” conflicts with another machine.

■ If “x” is always displayed with the icon which indicates the electric wave intensity

1. Move close to the access point, and check if there is any change after several minutes.
2. Check if there is any mistake with the SSID registered in “Service Utility” – “Network Adapter Configuration”.
3. Check if the network of the concerned SSID is registered in “Start” menu – “Control Panel” – “Network and Sharing Center” – “Manage Wireless Networks”.

■ If the electric wave intensity does not improve/ become stable after executing network repair

1. Check if it changes when repair is executed at a different place.
2. Check if a wrong adapter name of the in-hospital network is registered.
3. Check the possibility of radio frequency interference with another machine.

6. Setup File Backup, Image Database Initialization and Error Log Verification/Deletion

This section explains about the procedures for backing up the DR-ID 800CL setup files, initializing various image databases and verifying/deleting the error log.

When making backups, have the following item on hand.

- Storage media (FD, USB memory stick or the like)

◆ NOTE ◆

Never turn OFF the DR-ID 800CL and FPD power during a backup process.

If the power turns OFF, the machine may fail to start up.

6.1 Backing Up the DR-ID 800CL Setup Files

6.2 Initializing Various Image Databases

6.3 Checking and Deleting the DR-ID 800CL Error Log

6.4 Turning OFF the DR-ID 800CL

6.1 Backing Up the DR-ID 800CL Setup Files

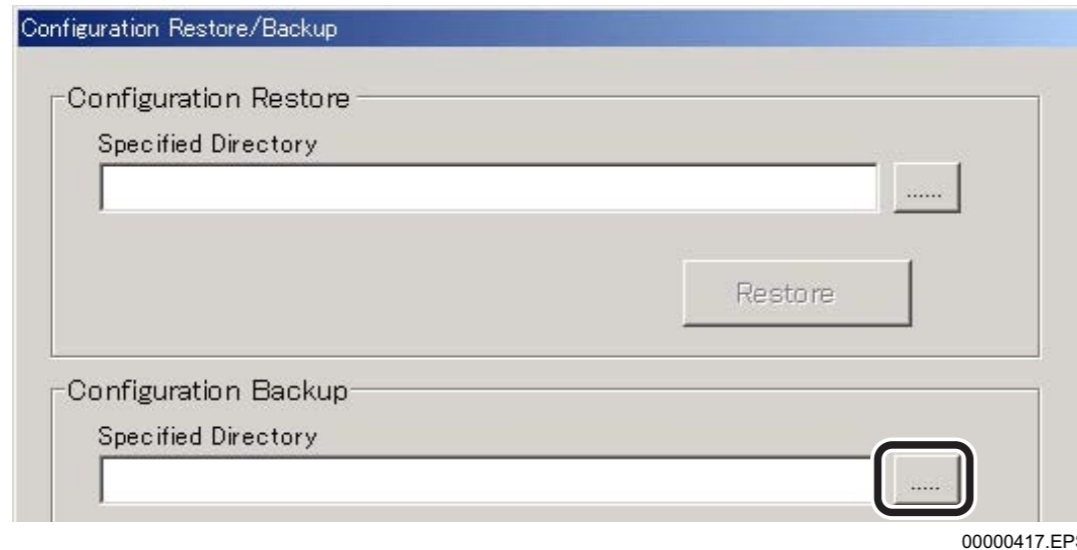
6.1.1 Backing Up the System Setup Files

1. Insert media (FD, USB memory stick or the like) for storage of setup files into the Mobile X-ray Unit.

2. Start the Service Utility and then click .


→ The “Configuration Restore/Backup” window opens.

3. Click [.....] in the [Configuration Backup] area.



→ A window opens, prompting you to select a storage directory.




4. Click the downward arrow mark  for , and then choose a drive where the setup files are to be stored.

5. Click .

→ You are then returned to the “Configuration Restore/Backup” window.

6. Click .

◆ NOTE ◆

- Even when the backup process is completed successfully, no message appears to indicate such a fact.
During the backup process, the mouse cursor changes to the  mark. You may understand that the backup process is completed when the  mark changes back to the mouse cursor.
The  mark does not appear unless the mouse cursor is positioned in the Configuration Restore/Backup window.
- Before removing the media (FD, USB memory stick or the like), check to see that the drive access lamp is distinguished.

7. Remove the media from the Mobile X-ray Unit.

8. Click .

→ The system returns to the “IIP Service Utility” window.

6.1.2 Backing Up the Network Adapter Setup Files

If the network switching function is used, back up the network adapter settings.

-  For details on the backup procedure, see [“14.2 Backing up the Network Adapter Settings”](#) under [“MU: Maintenance Utility”](#).


6.2 Initializing Various Image Databases

Initialize the image database, output queue and patient database as follows.

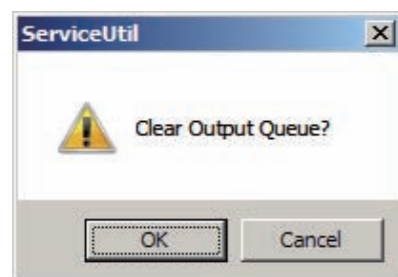
6.2.1 Initializing Image Databases

1. Click [DataBase Utility].

→ The “DataBase Utility” window opens.

2. Click .

→ A confirmation window opens.




MU000019.ai

3. Click .

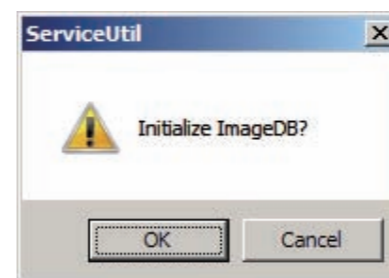
◆ **NOTE** ◆

When the “Press any key to continue...” message appears, press the <Enter> key.

→ The images are then deleted from the output queue and you are returned to the “DataBase Utility” window.

4. Click .

→ A confirmation window opens.



MU000018.ai

5. Click .

◆ **NOTE** ◆

When the “Press any key to continue...” message appears, press the <Enter> key.

→ The image database initialization process ends, and system returns to the “DataBase Utility” window.


◆ **NOTE** ◆

When the following message appears, the image database is not initialized.

It failed in initialized DB.

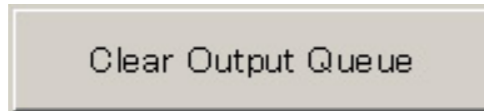
Check that the SQL Server is running and that no image is placed on the image output queue.

• To start the SQL Server

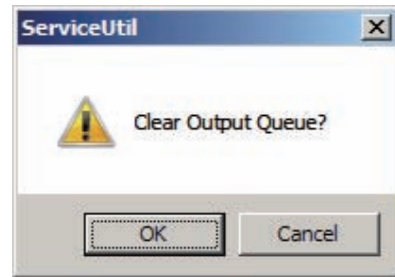
- I. Restart the Windows.
- II. Select “Control Panel” from the  menu and click “Administrative Tools”.
- III. Double-click “Computer Management”.
- IV. Select “Computer Management” – “Service and Applications” – “SQL Server Configuration Manager”.
- V. Select “SQL Server Services” or “SQL Server 2005 Services”.
- VI. Confirm that SQL Server (MSSQLSERVER) is running.

6.2.2 Clearing the Image Output Queue

1. Click



→ A confirmation window opens.



MU000019.ai

2. Click



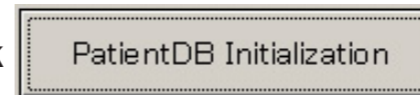
◆ NOTE ◆

When the "Press any key to continue..." message appears, press the <Enter> key.

→ The images are then deleted from the output queue and the system returns to the "DataBase Utility" window.

6.2.3 Initializing the Patient Database

1. Click



→ A confirmation window opens.



MU000020.ai

2. Click




◆ NOTE ◆

When the "Press any key to continue..." message appears, press the <Enter> key.

→ The patient database is then initialized and the system returns to the "DataBase Utility" window.

6.3 Checking and Deleting the DR-ID 800CL Error Log

Check the DR-ID 800CL error log and then delete it as appropriate.

1. Click .

→ The “Event Viewer” main window opens.

2. Confirm the error log.

 For details on how to check the error log, see “2.4 Details of Events” under “MT: Machine Troubleshooting”.

3. Delete the error log.

 For details on how to delete the error log, see “2.6 Deleting the Event Log” under “MT: Machine Troubleshooting”.

4. Click  on the Event Viewer main window.

→ The system returns to the main menu.

5. Click .

→ The system returns to the desktop.

➔ REFERENCE

You can save the backup of HDD image at this point for just in case.

6.4 Turning OFF the DR-ID 800CL

◆ NOTE ◆

Do not turn OFF the FPD power.

1. Shut down the DR-ID 800CL system.
2. Turn OFF the power switch of the DR system on the Mobile X-ray Unit.

DR-ID 800CL Service Manual

Appx IN: Installation – Appendix

Control Sheet

Issue date	Revision number	Reason	Pages affected		
12/14/2012	01	New release (FM6115)	All pages		
03/29/2013	02	Revision (FM6175)	Appx IN8-5-8 Appx IN14-6, 9	Appx IN13-2, 6, 7, 16-19, 28, 29	
03/29/2013	02	Changes in pagination (FM6175)	Appx IN8-9-11 Appx IN14-7	Appx IN13-3-5, 8-15, 20-27, 30-33	
08/30/2013	03	Revision (FM6189)	Appx IN4-2 Appx IN10-2, 4-6, 12, 13, 18, 19, 24 Appx IN11-2, 4-6, 8, 11-13, 18, 19, 24 Appx IN13-9, 14 Appx IN27-4, 5 Appx IN44-1-4 Appx IN47-1-4	Appx IN8-1, 2, 4, 5, 9-15 Appx IN14-1, 2, 4-6, 8, 10 Appx IN28-4 Appx IN45-1-4	Appx IN12-2, 3, 5, 6, 11, 13-17 Appx IN19-3 Appx IN40-2, 4, 7 Appx IN46-1-4
08/30/2013	03	Changes in pagination (FM6189)	Appx IN8-6-8, 16 Appx IN12-18-20	Appx IN10-14-17, 20-23	Appx IN11-9, 14-17, 20-23
10/31/2013	03	Revision (FM6205)	Appx IN8-10		

BLANK PAGE

BLANK PAGE

Appendix 1 Connecting the Barcode Reader [Option]


This appendix explains about the procedures for connecting and setting up the barcode reader.

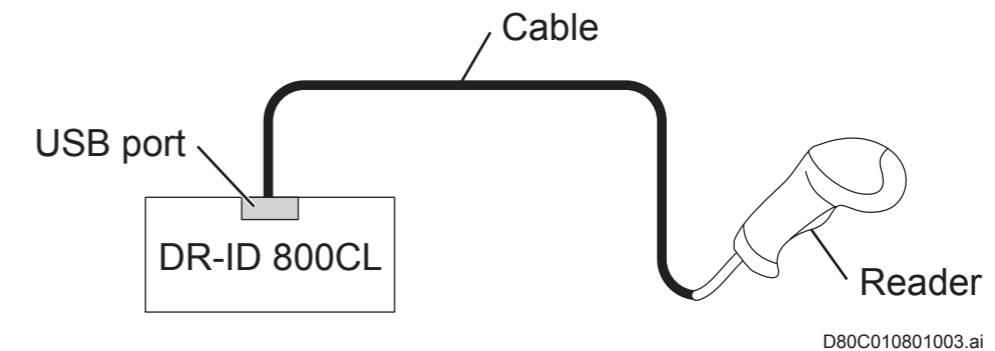
1. Connecting the Barcode Reader to the DR-ID 800CL

■ Connecting Barcode Reader

◆ NOTE ◆


- After the barcode reader has been connected to the DR-ID 800CL, be sure to restart the OS. Although a window opens immediately after reader connection to indicate that driver software installation has been completed, you cannot immediately use the reader because it is not recognized by the DR-ID 800CL-AP yet.
- Because barcode reader sound of the DR-ID 800CL system needs to be produced only when a barcode is read successfully, it has been designed so that the PC itself produces a sound. For this reason, the sound produced by the barcode reader, not only when a barcode is read successfully but also when it is read unsuccessfully, is disabled for machines when they are shipped from factory.

1. Exit DR-ID 800CL-AP and shut down the PC.
2. Connect a barcode reader to the USB port on the PC.
 For details of the procedures for connecting, see the installation manual of the Mobile X-ray System.



3. Turn ON the power of the DR system on the Mobile X-ray Unit.
→ Windows starts up.
After about one minute, the DR-ID 800CL-AP starts running.
4. Perform the following settings of the barcode reader.

Setting items	Setting value
EAN 13 Minimum Reads	3
EAN 8 Minimum Reads	3
Code 39 Minimum Reads	3
Code 128 Minimum Reads	3
Codabar Enable/Disable	Enable
Codabar Minimum Reads	3

5. Start the Service Utility and then click [Exit Service Utility].
→ The desktop window opens.
 For details on the startup procedure see “1. Starting/Exiting the Service Utility” under “MU: Maintenance Utility”.

■ Installing the Driver

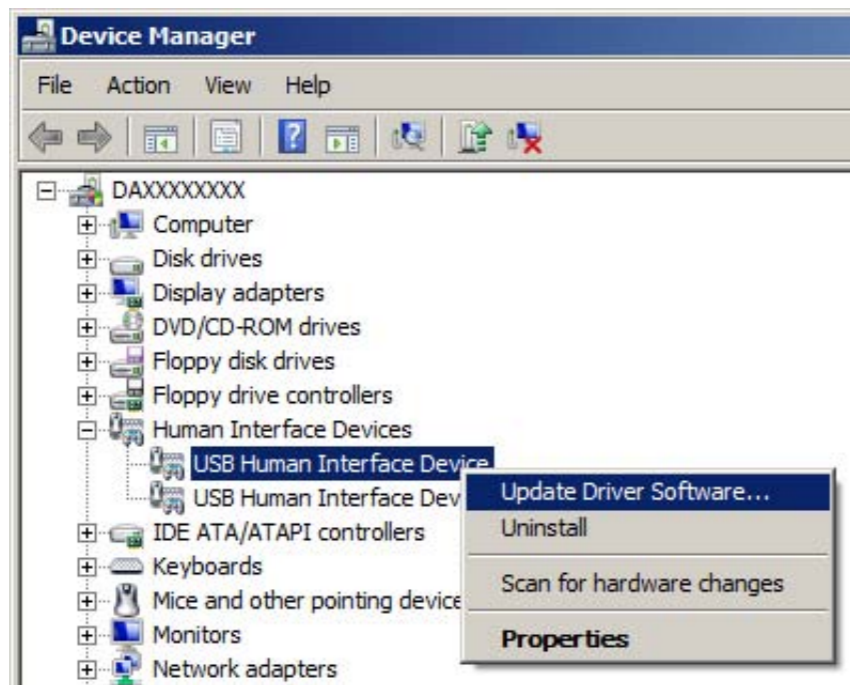
1. Select “Control Panel” from the  menu.

→ The “All Control Panel Items” window opens.

2. Click  **Device Manager**.

→ The “Device Manager” window opens.

3. In the “Device Manager” window, right-click “USB Human Interface Device” under “Human Interface Devices” and select “Update Drivers Software...”.

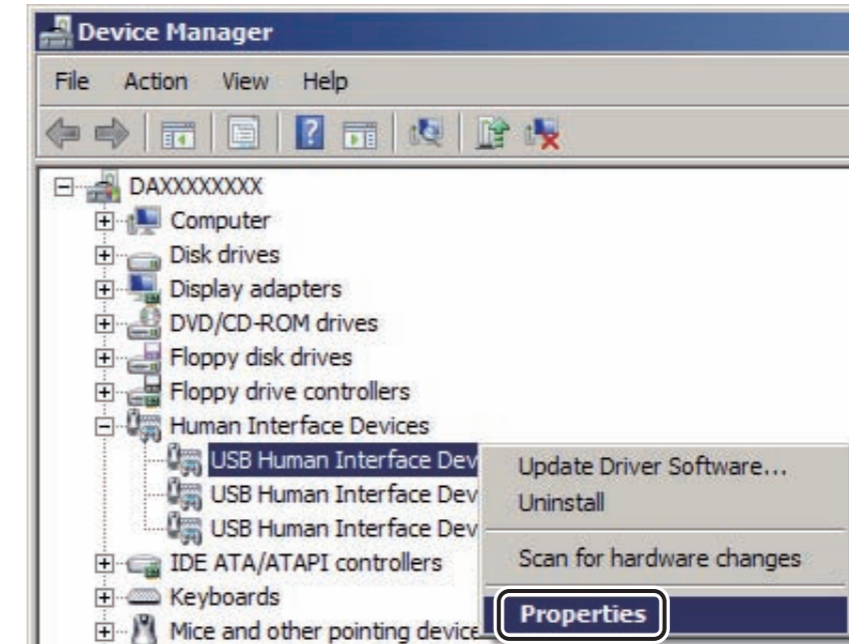


→ The “Update Driver Software - USB Human Interface Device” window opens.

◆ NOTE ◆

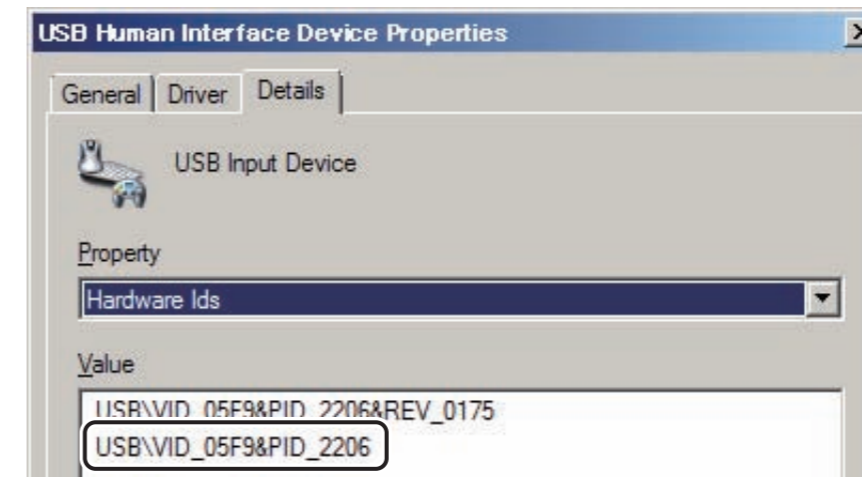
If “USB Human Interface Device” is displayed at several places, you must confirm that which device is “Datalogic Gryphon GD4130” with the following procedure. If a device is “Datalogic Gryphon GD4130”, “USB\VID_05F9&PID_2206” is displayed at step III.

- I. Right-click “USB Human Interface Device” under “Human Interface Devices” and then select “Properties”.

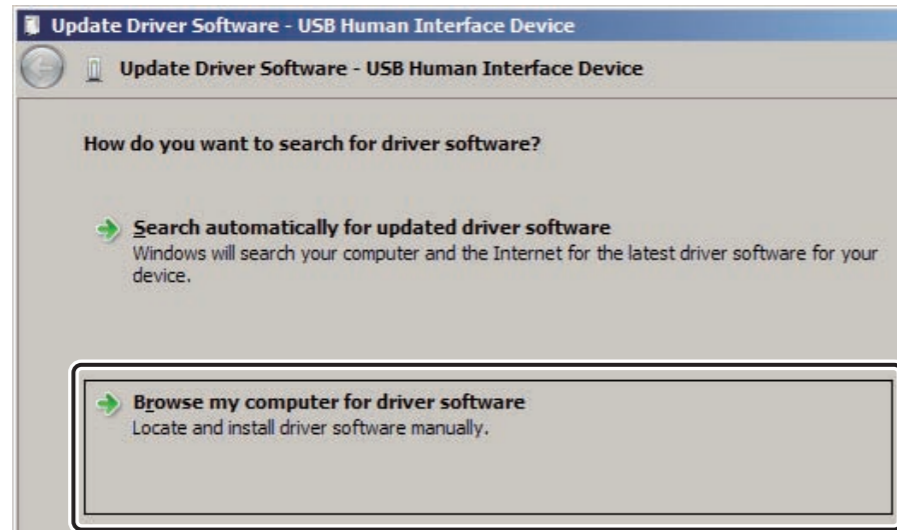


→ The “USB Human Interface Device Properties” window opens.

- II. Choose the “Details” tab and then select “Hardware Ids” from the “Properties” field.
- III. Make sure that “USB\VID_05F9&PID_2206” is displayed in the “Value” field.



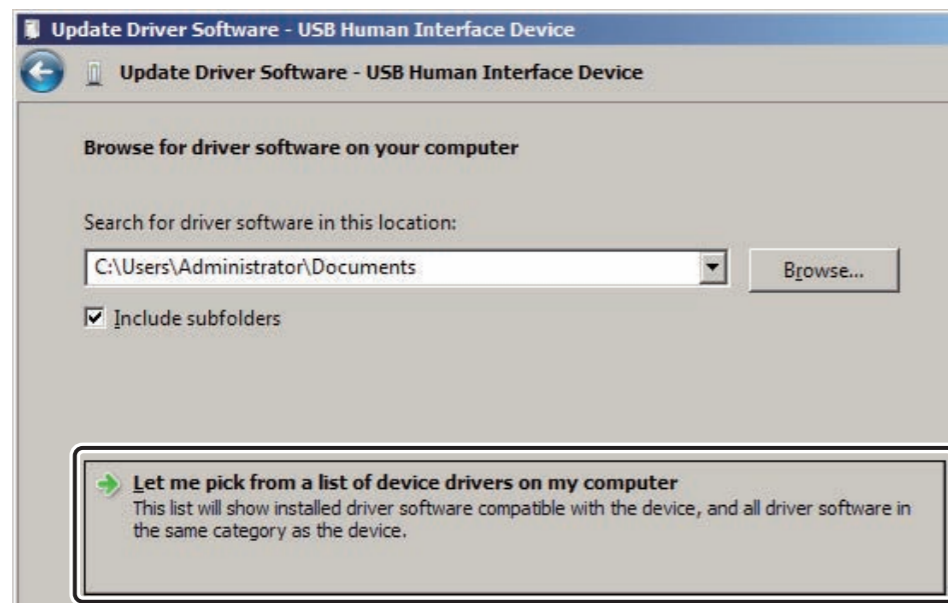
4. Select “Browse my computer for driver software”.



MT000057.ai

→ The “Browse for driver software on your computer” window opens.

5. Select “Let me pick from a list of device drivers on my computer”.



MT000058.ai

→ The “Select the device driver you want to install for this hardware.” window opens.

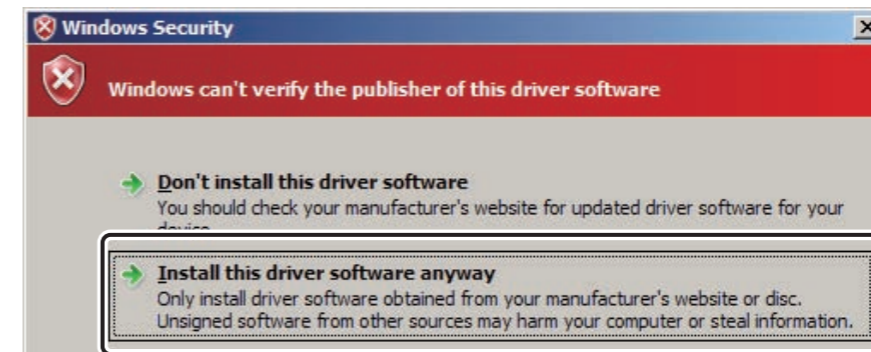
6. Select a driver you wish to install and click .



DXL02040008.ai

→ “Windows Security” window opens.

7. Select “Install this driver software anyway”.



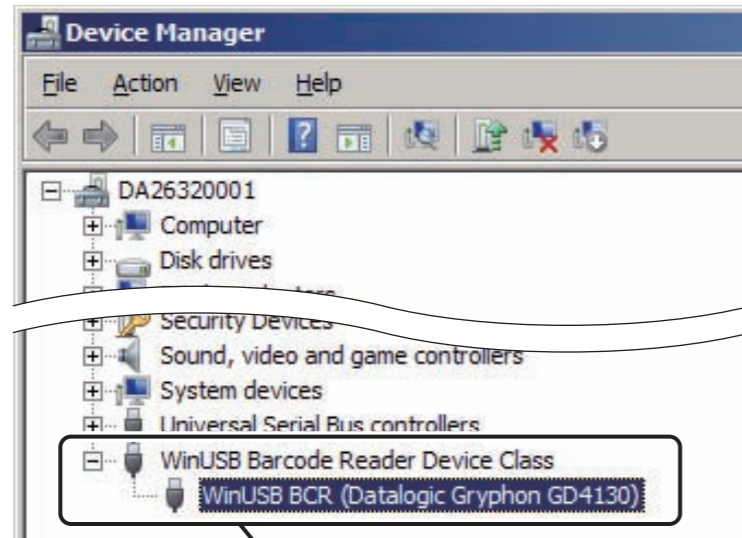
MT000059.ai

→ A window opens to indicate that installation processing has ended.

8. Click [Close].

→ You are then returned to the “Device Manager” window.

9. Verify that the proper USB drivers are installed.



Example of state that the driver installed normally

D80C010204005.ai

2. Settings Required When Using the Study List Search Function Based on the Hospital Barcode

2.1 Setting the Search Key

Select whether to use Accession Number or Patient ID Number as the key used to search for a study.

1. Start the Service Utility mode of the DR-ID 800CL.

 For details on the startup procedure see “1. Starting/Exiting the Service Utility” under “MU: Maintenance Utility”.

2. Click  in the “Service Utility” window.

→ The “Setup Configuration Item” window opens.

3. Click the  sign within .

4. Click .

→ The IDT functionality and magnetic card setup items appear in the right-hand side area of the window.

5. Perform the following configuration settings.

No.	Name	Selection	Meaning
84	Barcode Type for Search on List	<input checked="" type="radio"/> 0 : Accession Number Accession number <input type="radio"/> 1 : Patient ID Patient ID	Search key used for barcode-based searches.
304	Enable Patient's Info. Automatic Search by Bcr/Mcr	<input type="radio"/> Yes Searches automatically. <input checked="" type="radio"/> No Does not search automatically.	If the search function in patient database/ MWMPPI is enabled, specifying whether or not to search automatically at the time of reading BCR/ MCR.

: Default setting

6. Select “Save” from the “Config” menu.

→ A window opens, prompting you to confirm the setup data to be saved.

7. Click .

→ The system saves the setup data.

2.2 Setting the Barcode Type

Barcode types that can be read by default on the DR-ID 800CL are CodeBar (NW-7) and Code39.

When using a barcode type other than these, register such barcode type using the Service Utility mode.

 For details on how to set up the necessary procedure, see **“10. Setting the Barcode — Barcode Setting”** under **“MU: Maintenance Utility”**.

◆ NOTE ◆

Depending on the barcode type, settings must be performed for the barcode reader to be employed.

See the barcode reader Operation Manual to set up a barcode type good for code reading.

BLANK PAGE

BLANK PAGE

Appendix 2 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 3 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 4 Changing the FPD Host Name

◆ NOTE ◆

Verify that Explorer or other application is not running. If any applications are running, exit them accordingly.

■ Changing the FPD host name

1. Change the FPD host name.

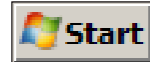
-  For details of the procedures used to change the FPD host name, see “MU: Maintenance Utility” of the “DR-ID 800PU Service Manual”.

■ Changing the DR-ID 800CL Service Utility settings

◆ NOTE ◆

Do not use the following characters for a host name in the following procedures.

< > & ' " / \

1. From the  menu, sequentially choose “All Programs”, “Fuji Film”, and “Console Advance”.

→ The DR-ID 800CL-AP starts up.

2. Within a period of 3 seconds after the initial window opens, sequentially click the upper left and upper right corners of the window.

Click the upper left corner and then the upper right corner.



DXL03100001.ai



→ The “Enter Password” window opens.



00000119.ai

➔ REFERENCE

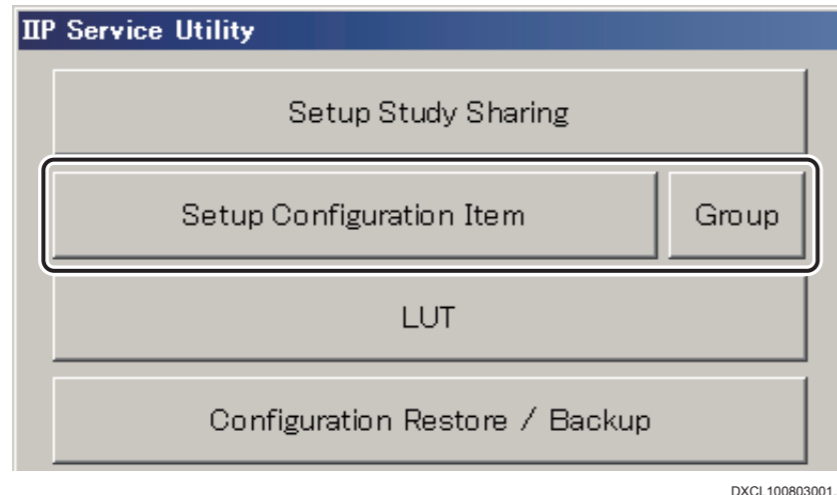
If you cannot complete step 2. from the initial window within a 3-second period and allow the AP to start up, perform the following steps to start the Service Utility:

1. To exit the AP, choose “Shut Down” in the  menu.
2. On the shutdown window, click [OK] while holding down the <Shift> key.
3. From the  menu, sequentially choose “All Programs”, “Fuji Film”, and “Console Advance”.
4. When the initial window opens, sequentially click its upper left and upper right corners within a period of 3 seconds.



3. Type in “fieldengineer” and click  .

→ The Service Utility starts. The “IIP Service Utility” window opens.


4. Click [Setup Configuration Item].



→ The “Setup Configuration Item” window opens.

5. Within the tree in the left-hand area of the window, click  the mark to the left of  NETWORK CONFIG , and then click  the mark to the left of  ALL OTHER NODES .

6. Select “fpd0” (the previous host name of FPD).

7. Change  on the upper right of the window to the new FPD host name (fpd1).

8. Click  .

9. From the “Config” menu, choose “Save”.

→ A window opens, prompting you to confirm the setup data to be saved.

10. Click  .

→ The system saves the setup data.

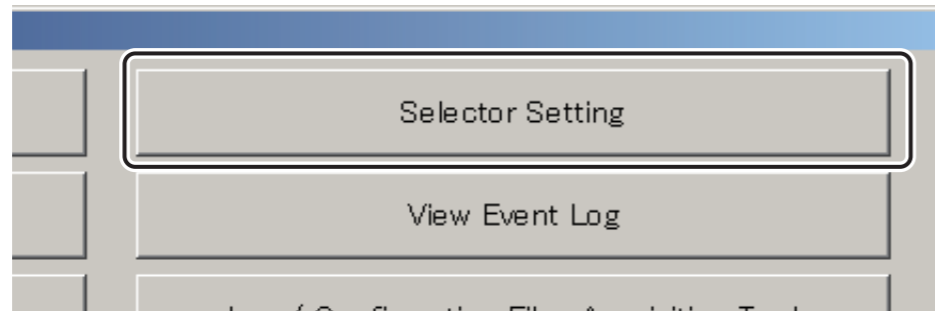
11. Select “Close” from the “Config” menu.

→ The system returns to the “IIP Service Utility” window.

The original network setup is then restored.

■ Changing the selector settings

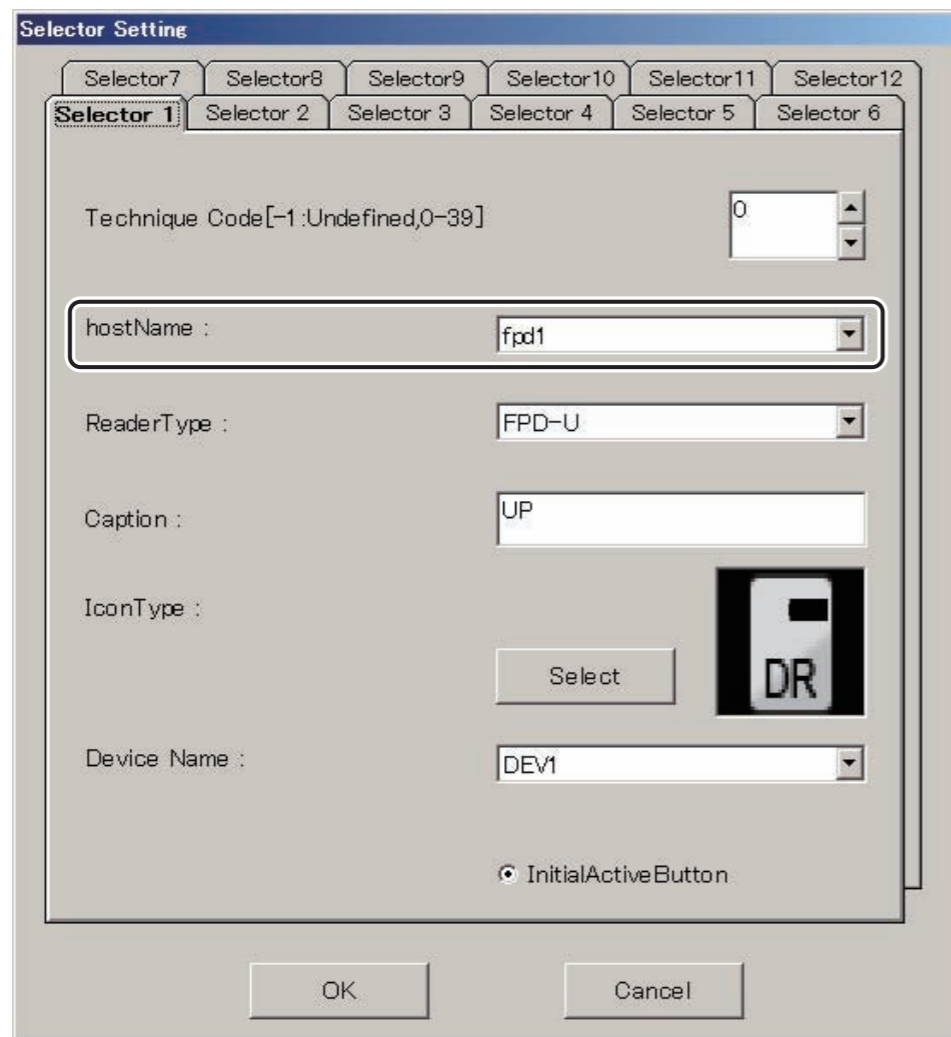
1. Select [Selector Setting] on the “IIP Service Utility” window.



DXCL040804001.ai

→ The “Selector Setting” window opens.

2. Select a tab in which the FPD host name before being subjected to the change was registered, and then select a new FPD host name (fpd1) from the pull-down menu of “hostName”.



DXL08040001.ai

3. Click .

→ The system returns to the “IIP Service Utility” window.

4. Click [Exit Service Utility].

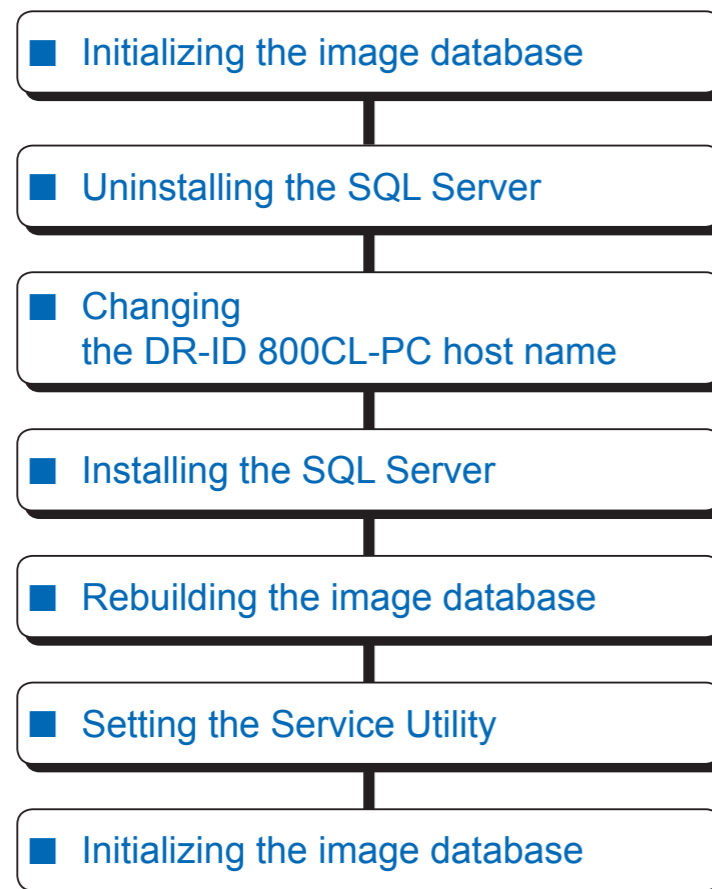
→ The system returns to the desktop screen.

BLANK PAGE

Appendix 5 Changing the DR-ID 800CL Host Name

◆ NOTE ◆

- When changing the DR-ID 800CL host name, be sure to follow the sequence indicated below.
If you do not use the correct procedure to change the host name, the DR-ID 800CL-AP may become inoperative.
- Change host names of the DR-ID 800CLs registered on the FPD side, as necessary, so as to avoid confusion with other DR-ID 800CLs.
(No operational problems occur even if they are not changed.)



.... Use this procedure only when you wish to remove images from the HDD.

* If you wish to retain images, do not perform this procedure.

■ Initializing the image database

1. Initialize the image database.

☞ For procedures to initialize the image database, see “9.1 Initializing the Image Database” under “MU: Maintenance Utility”.

2. Clear the image output queue.

☞ For procedures to initialize the image database, see “9.2 Clearing the Contents of the Image Output Queue” under “MU: Maintenance Utility”.

■ Uninstalling the SQL Server

1. Select “Control Panel” from the  menu.

→ The “All Control Panel Items” window opens.

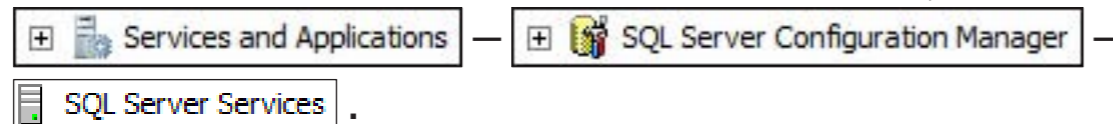
2. Click  **Administrative Tools** .

→ The “Administrative Tools” window opens.

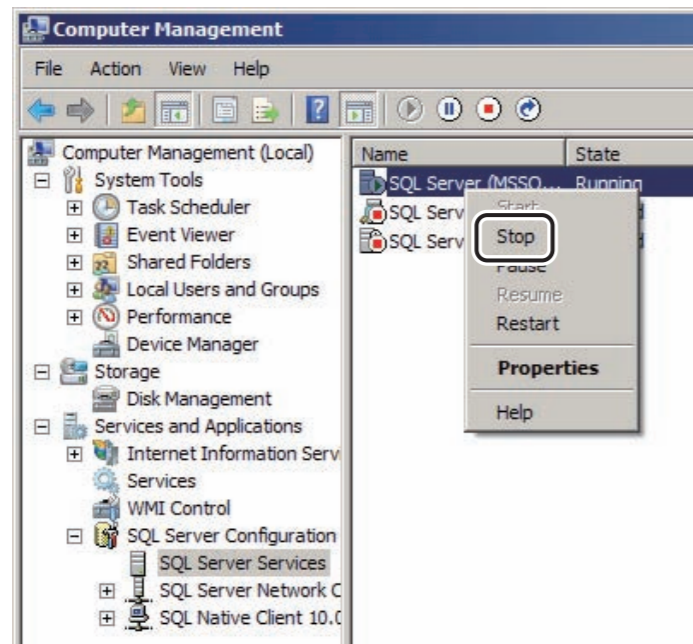
3. Double-Click  **Computer Management** .

→ The “Computer Management” window opens.

4. Within the tree in the left-hand area of the window, select



5. Within the tree in the right-hand area of the window, right-click  , and select “Stop”.



6. Close the “Computer Management” window.

→ The system returns to the “Administrative Tools” window.

7. Click  in the upper left-hand area of the “Administrative Tools” window.

→ The “All Control Panel Items” window opens.

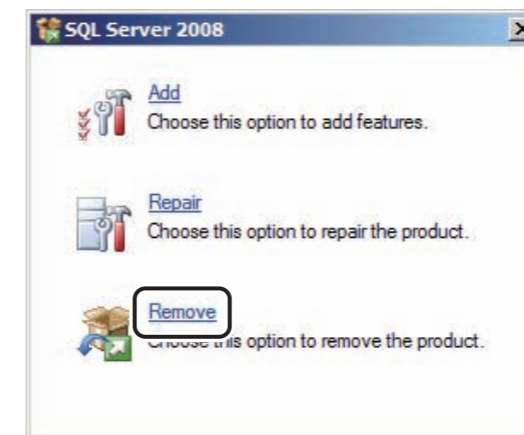
8. Click  **Programs and Features** .

→ The “Properties and Features” window opens.

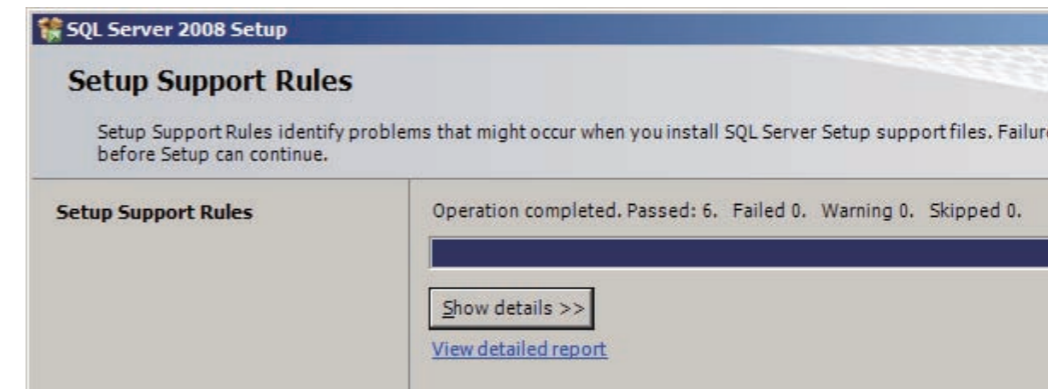
9. Select “Microsoft SQL Server 2008” and then click  .

→ The “Microsoft SQL Server 2008” window opens.

10. Select “Remove”.

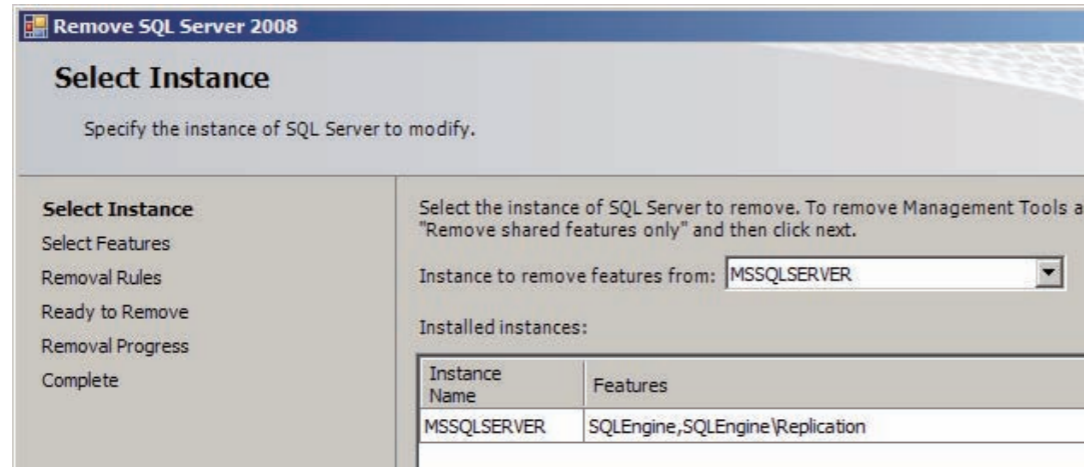


→ The “Microsoft SQL Server 2008” window opens.



11. Click  .

→ The “Select Instance” window opens.

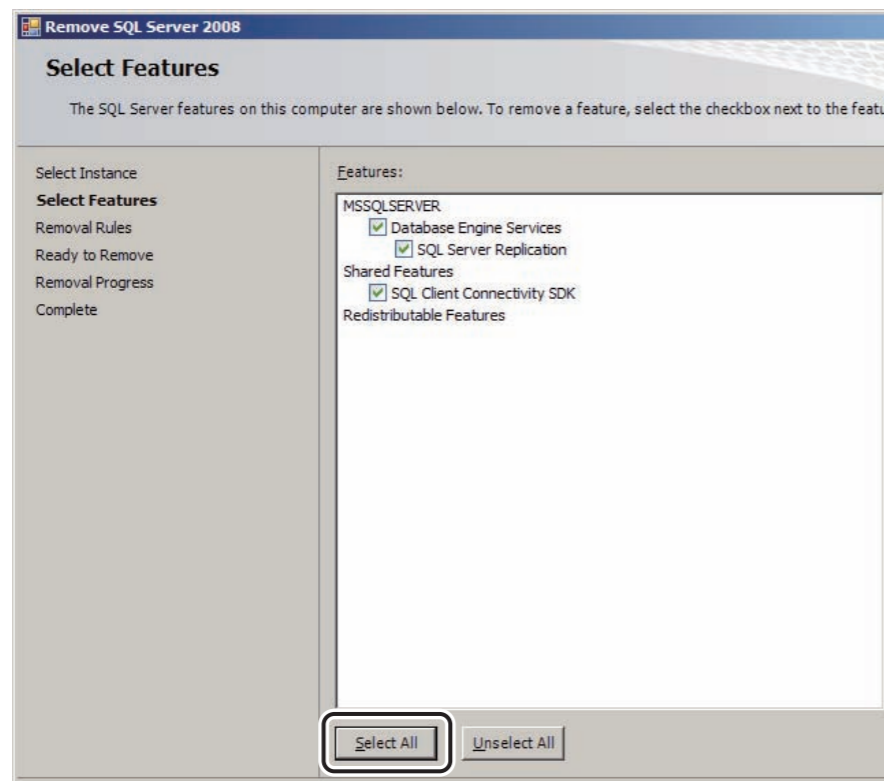


DXL08050013.ai

12. Click  .

→ The “Select Features” window opens.

13. Click  .

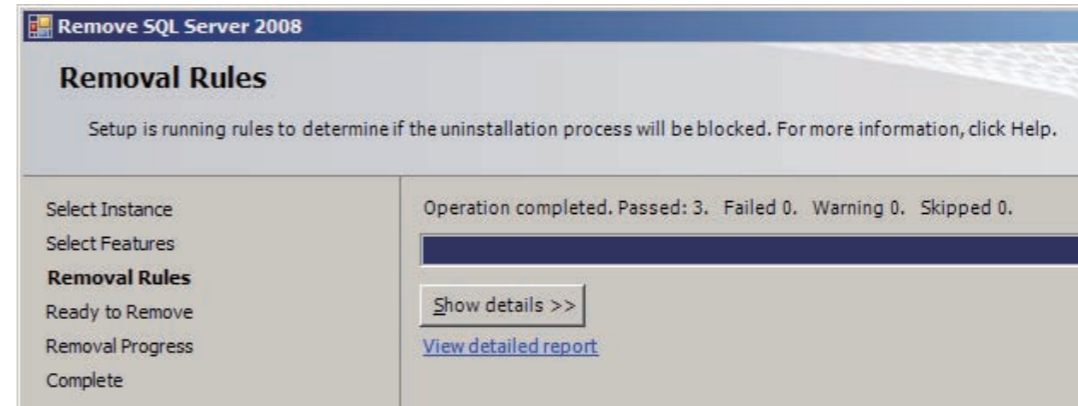


DXL08050014.ai

→ Checkmarks will be placed to all the checkboxes.

14. Click  .

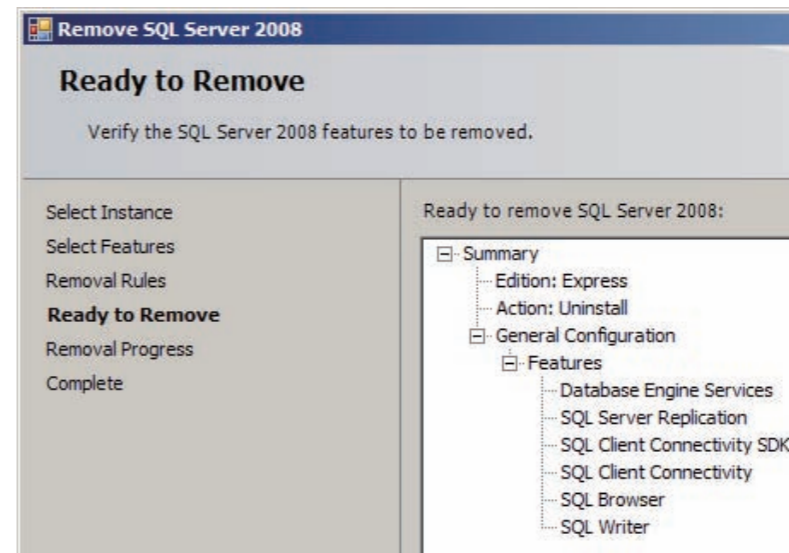
→ The “Removal Rules” window opens.



DXL08050015.ai

15. Click  .

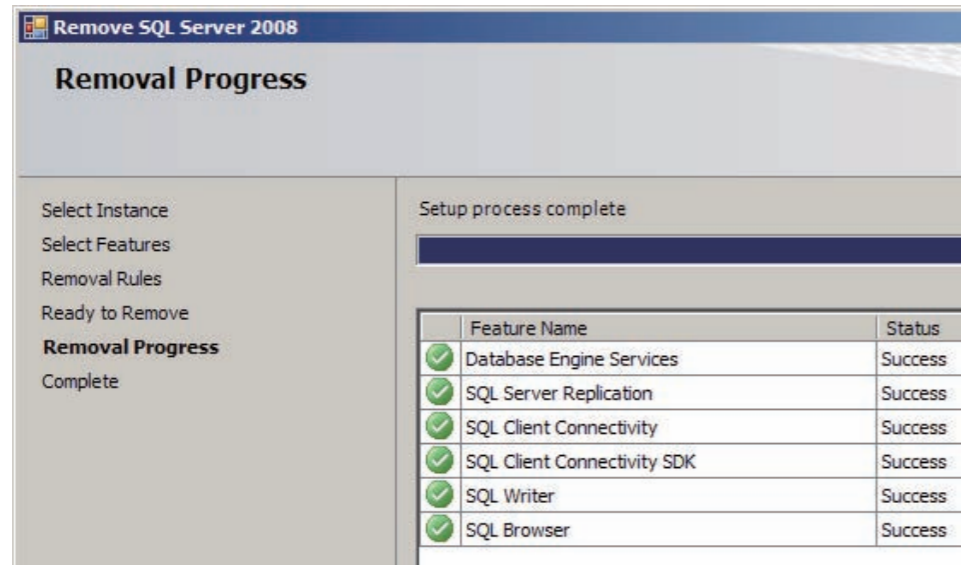
→ The “Ready to Remove” window opens.



DXL08050016.ai

16. Click  .

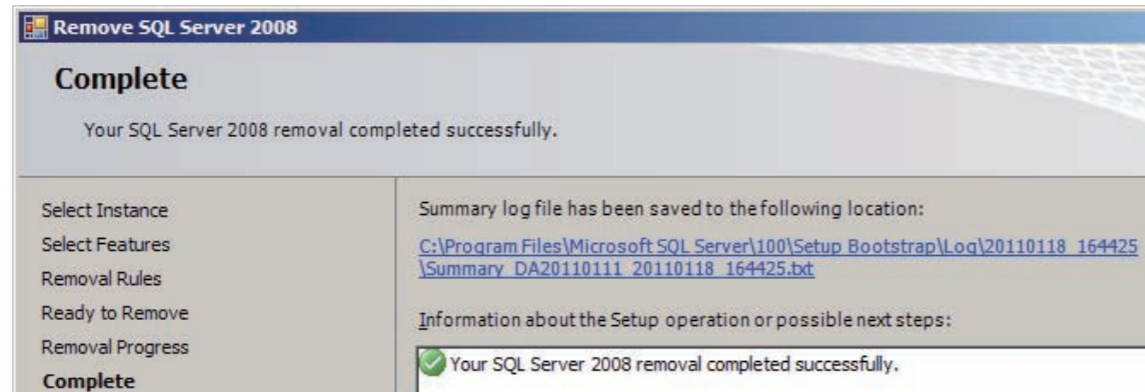
→ The uninstallation of SQL Server 2008 starts.
After a while, uninstallation ends.



DXL08050017.ai

17. Click  .

→ The “Complete” window opens.



DXL08050018.ai

18. Click  .

→ The system then returns to the “Programs and Features” window.

19. Select “Microsoft SQL Server 2008 Native Client” and then click [Uninstall/Change].

20. According to the instructions on the window, uninstall “Microsoft SQL Server 2008 Native Client”.

→ The system then returns to the “Programs and Features” window.

21. Close the “Programs and Features” window.

→ The system returns to the desktop screen.

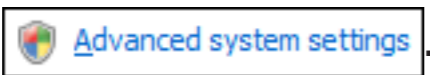
■ Changing the DR-ID 800CL-PC host name

1. Select “Control Panel” from the  menu.

→ The “All Control Panel Items” window opens.

2. Click .

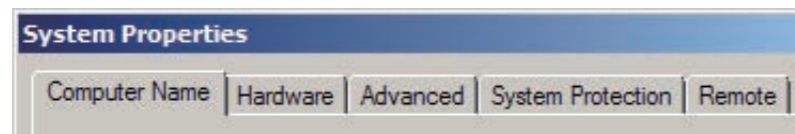
→ The “System” window opens.

3. Click .

→ The “System Properties” window opens.

4. Perform the following settings.

- Click the “Computer Name” tab.



RI0000359.ai

- Click .

→ The “Computer Name/Domain Changes” window opens.


- Change the host name of the “Computer name” field.



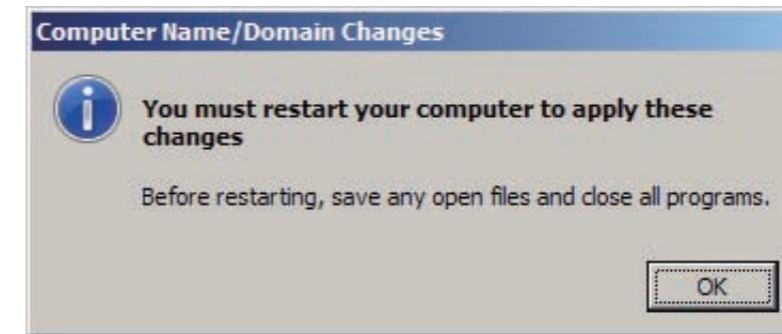
RI0000360.ai

◆ NOTE ◆

- For the changed host name, be sure to set it with 10 letters or less.
- Do not use the following characters for a host name.
< > & ' " / \

5. Click .

→ A window like that shown below opens.



RI0000361.ai

6. Click .

→ The system returns to the “System Properties” window.

7. Click .

→ A window opens to prompt for a restart.

8. Click .

◆ NOTE ◆

If the message “Failed in executing the lock processing +press the lower button” appears after the PC restarts, click [OK].

9. Within a period of 3 seconds after the initial window opens, sequentially click the upper left corner and then the upper right corner.

→ The “Enter Password” window opens.

10. Click “Cancel”.



■ Installing the SQL Server

 For the SQL Server installation procedure, see “Installing the Database Management System [Setting Done Prior to Shipment]” in “MC: Inspection, Replacement and Adjustment”.

◆ NOTE ◆

When SQL Server and service pack are installed, the PC is forced to restart. After a restart, the DR-ID 800CL-AP automatically starts up; however, an error occurs because the image database is not rebuilt. In this instance, just click [OK] to close the error window. The system recovers from this error when you rebuild the image database.

■ Rebuilding the image database

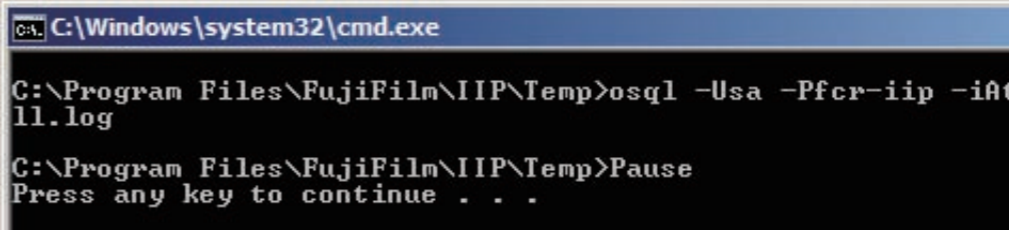
1. Select “All Programs” – “Accessories” – “Run...” from the  menu. Use then the  key to select necessary files located in the directories below:

C:\Program Files\FujiFilm\IIP\Work\Installer\Initialize_All_DB.bat

◆ NOTE ◆

Do not execute the above command from the MS-DOS prompt.

- The MS-DOS prompt window then opens, displaying the message “Press any key to continue ...”.



```
C:\Windows\system32\cmd.exe
C:\Program Files\FujiFilm\IIP\Temp>osql -Usa -Pfc-r-iip -iAt
ll.log
C:\Program Files\FujiFilm\IIP\Temp>Pause
Press any key to continue . . .
```

0000484.ai

2. Press the <Enter> key.

- The MS-DOS prompt window closes. The image database is thus completely rebuilt. This makes it possible to use again HDD images that have been available before DR-ID 800CL host name change.

■ Setting the Service Utility

● Host name change

When you change the DR-ID 800CL host name, the new host name will be changed as Service Utility's THIS HOST automatically. But the network setting of original host name changes to that for other connected equipment. Therefore, you have to restore the original network setup back to "THIS HOST" as directed below:

1. Start the Service Utility and then click [Setup Configuration Item].

→ The "Setup Configuration Item" window opens.

2. Within the tree in the left-hand area of the window, click the  mark to the left of , and then click the  mark to the left of .

3. Choose  (previous host name of the DR-ID 800CL).

◆ NOTE ◆

Do not use the following characters for a host name.

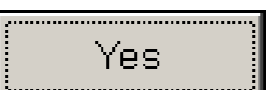
< > & ' "/>

4. Change the  entry in the upper right corner of the window to a new host name.

5. Click .

6. From the "Config" menu, choose "Save".

→ A window opens, prompting you to confirm the setup data to be saved.

7. Click .

→ The system saves the setup data.

8. Select "Close" from the "Config" menu.

→ The system returns to the "IIP Service Utility" window.

● Changing the log information sharing function (Log Share) settings

When settings for the original host name are deleted and settings for the log information sharing function (Log Share) were performed for the purpose of the RetakeAnalysis function, be sure to change Log Share settings for other DR-ID 800CLs after host name of a DR-ID 800CL unit has been changed. The procedure to be performed is as described below.

➔ REFERENCE

Settings performed for this Equipment are changed automatically when a host name is changed.

1. Click [Setup Configuration Item].

→ The "Setup Configuration Item" window opens.

2. Click .

3. Select original host name and IP address.

4. Click [Delete].

5. Select original host name and IP address of the DR-ID 800CL that are to be changed.

6. Click .

7. Enter the changed host name in the "HostName" box.

8. Click .

9. To change settings of other DR-ID 800CLs, repeat steps 5 to 8, above, as required.

10. Save the setup data from the "Config" menu.

■ Initializing the image database [as required]

◆ NOTE ◆

If you wish to retain images stored in the HDD, do not initialize the image database.

Initializing the image database deletes all images from the HDD.

1. Initialize the image database with the Service Utility.

 For the image database initialization procedure, see “13. Initializing the Image Database [Item to be Set at Installation]” in “MC: Inspection, Replacement and Adjustment”.

→ The DR-ID 800CL host name change procedure is now completed.

Appendix 6 Changing the DR-ID 800CL IP Address

To connect a multiple number of DR-ID 800CL within the same network, the DR-ID 800CL IP address must be changed from the default setup value (172.16.1.20) to another. If the IP address on the IU side is in the same segment as the network of the hospital, the IP address must also be changed from the default setup value (192.168.0.10) to another. In addition, the sub-net mask must also be changed from the default setup value (255.255.255.0) to another, for which the procedures described below should be followed.

◆ NOTE ◆

- For a changed DR-ID 800CL IP address, the FTP server IP address determined on the RU side and the DR-ID 800CL IP address must be change as well.
- When two or more network adaptors are used in DR-ID 800CL, confirm the IP address of the network adaptor to be changed, and then change the IP address.
- When changing the IP address of the wireless network adaptor in DR-ID 800CL, read “Local Area Connection 2” for “Wireless Network Connection” as necessary.

1. Select “Control Panel” from the  menu.

→ The “All Control Panel Items” window opens.

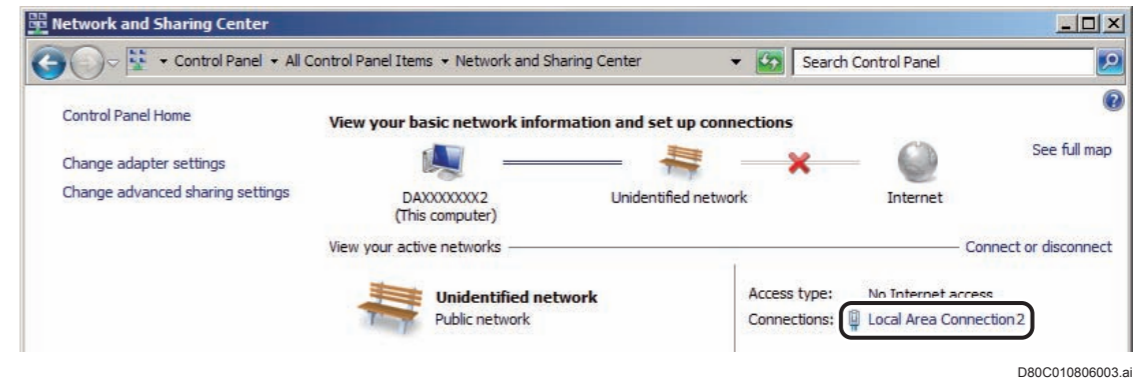
2. Click  Network and Sharing Center .

→ The “Network and Sharing Center” window opens.

◆ NOTE ◆

To change the IP address on the IU side, perform steps 3 to 10 below by replacing “Local Area Connection 2” (or “Eth0”) with “Local Area Connection” (or “Eth1”).

3. Click “Local Area Connection 2” (or “Eth0”).



→ The “Local Area Connection 2 Status” window opens.

4. Click  .

→ The “Local Area Connection 2 Properties” window opens.

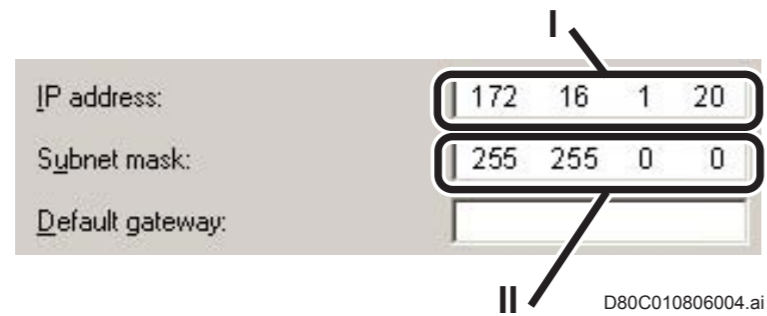
5. Select  Internet Protocol Version 4 (TCP/IPv4) and then click

 .

→ The “Internet Protocol Version 4 (TCP/IPv4) Properties” window opens.

6. Select Use the following IP address .

7. Change the IP address and sub-net mask.



- I. IP address
- II. Sub-net mask

8. Click .

→ You are returned to the "Local Area Connection 2 Properties" window.

9. Click .

→ The system returns to the "Local Area Connection 2 Status" window.

10. Click [Cancel].

→ The system returns to the "Network and Sharing Center" window.

11. Close the "Network and Sharing Center" window.

→ The system returns to the desktop screen.

➔ REFERENCE

When a window appears prompting you to restart the system, click [Yes]. Once the OS has started, the DR-ID 800CL-AP will start up automatically.

This completes to change the DR-ID 800CL IP address and sub-net mask.

 For details of the procedures used to change the IU and SE IP addresses, see DR-ID 800PU Service Manual.

BLANK PAGE

BLANK PAGE



Appendix 7 Uninstalling the AP

This appendix describes the procedures for uninstalling the following APs:

- DR-ID 800CL-AP
- SQL Server
- Option keys
- PPS cache server

1. DR-ID 800CL-AP

◆ NOTE ◆

If  exists in the taskbar, select “End” from the right-click menu and make sure that  has finished.

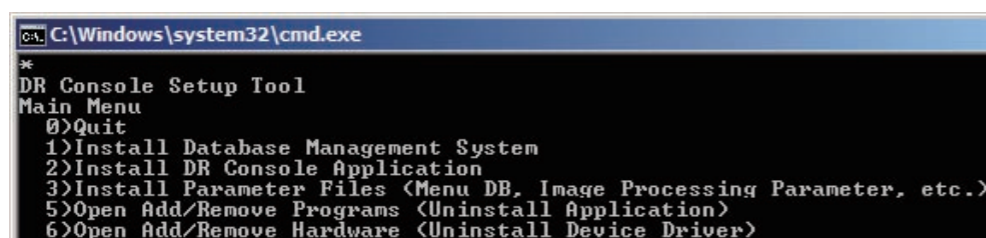
1. Connect the USB disk drive (JIG) to the USB port of the Mobile X-ray Unit.

2. Insert the DR-ID 800CL-AP Disk into the disk drive.

→ The “DR Console Setup Tool” main menu opens automatically.

◆ NOTE ◆

In case the installation start window does not open automatically, double-click the execution file (*Setup.bat*) in the Disk.



```
C:\Windows\system32\cmd.exe
*
DR Console Setup Tool
Main Menu
0)Quit
1)Install Database Management System
2)Install DR Console Application
3)Install Parameter Files (Menu DB, Image Processing Parameter, etc.)
5)Open Add/Remove Programs (Uninstall Application)
6)Open Add/Remove Hardware (Uninstall Device Driver)
```

DXL08070001.ai

3. Enter “5” and press the <Enter> key.

→ The “Programs and Features” window opens.

4. Select “IIP” and click “Uninstall/Change”.

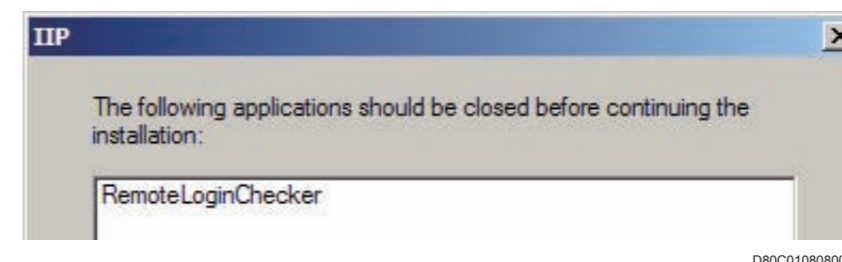
→ A confirmation window opens.

5. Click .

→ The uninstallation window opens.

◆ NOTE ◆

- The message “Prepare Installation” appears here. Note that the uninstallation process then starts, and not the installation process as the message indicates.
- Click [OK] if a window like that shown below opens.



→ Uninstallation ends in several seconds.

6. Close both the “Programs and Features” window and the DR Console Setup Tool main menu window.

2. SQL Server 2008

1. Select “Control Panel” from the  menu.

→ The “All Control Panel Items” window opens.

2. Click  **Administrative Tools** .

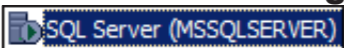
→ The “Administrative Tools” window opens.

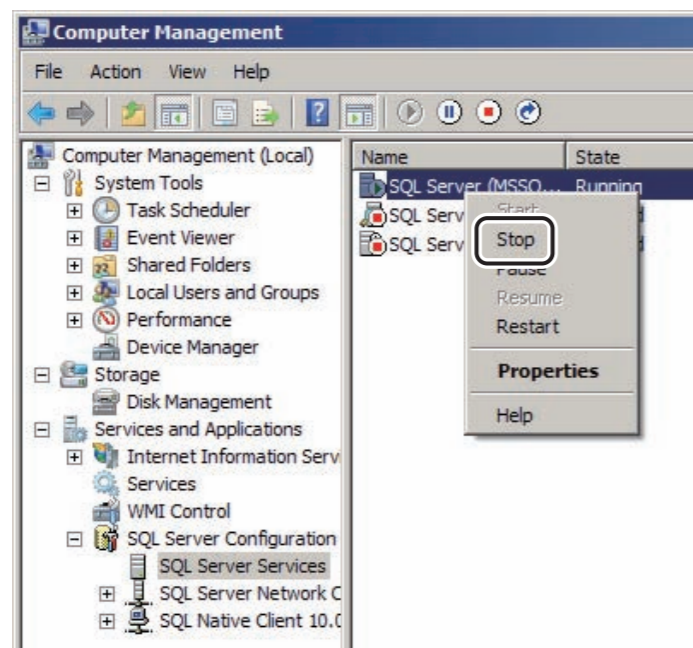
3. Double-Click  **Computer Management** .

→ The “Computer Management” window opens.

4. Within the tree in the left-hand area of the window, select



5. Within the tree in the right-hand area of the window, right-click  , and select “Stop”.



DXL08050019.ai

6. Close the “Computer Management” window.

→ The system returns to the “Administrative Tools” window.

7. Click  in the upper left-hand area of the “Administrative Tools” window.

→ The “All Control Panel Items” window opens.

8. Click  **Programs and Features** .

→ The “Properties and Features” window opens.

9. Select “Microsoft SQL Server 2008” and then click  .

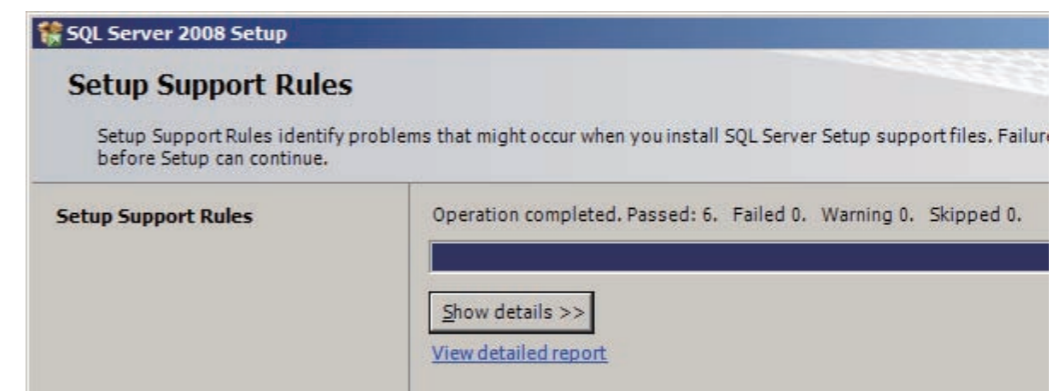
→ The “Microsoft SQL Server 2008” window opens.

10. Select “Remove”.



DXL08050011.ai

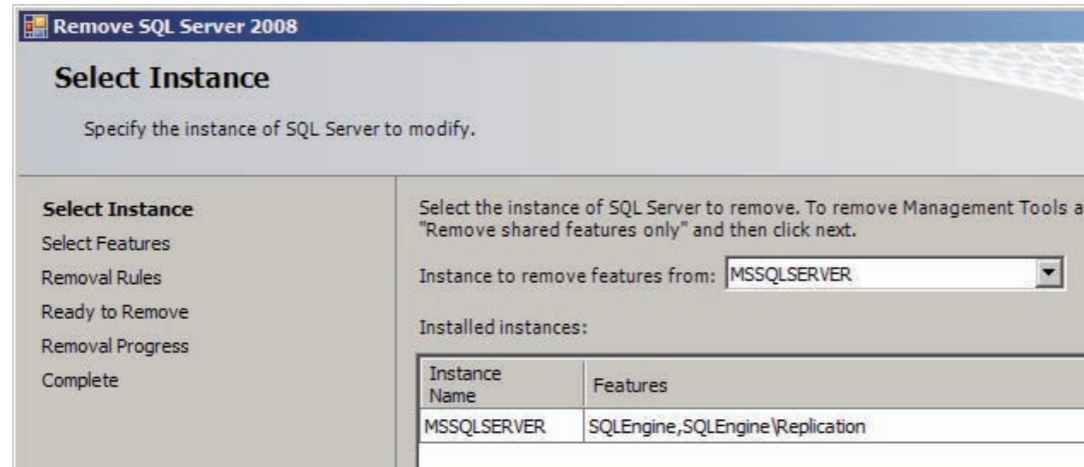
→ The “Setup Support Rules” window opens.



DXL08050012.ai

11. Click  .

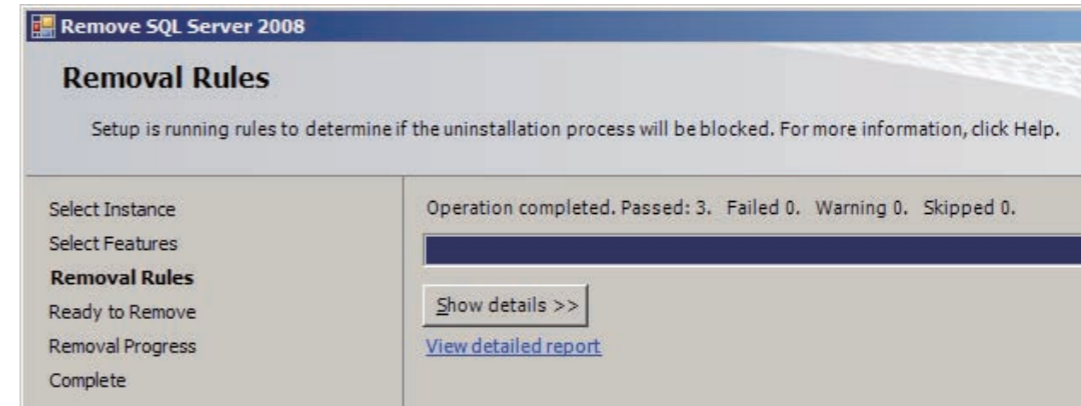
→ The “Select Instance” window opens.



DXL08050013.ai

14. Click  .

→ The “Removal Rules” window opens.

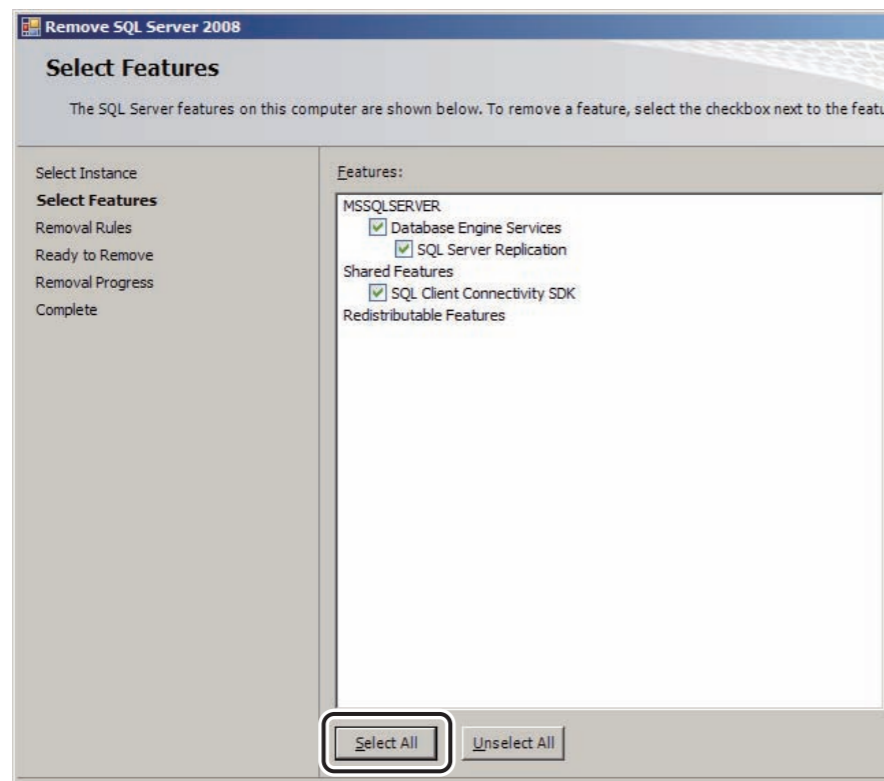


DXL08050015.ai

12. Click  .

→ The “Select Features” window opens.

13. Click  .

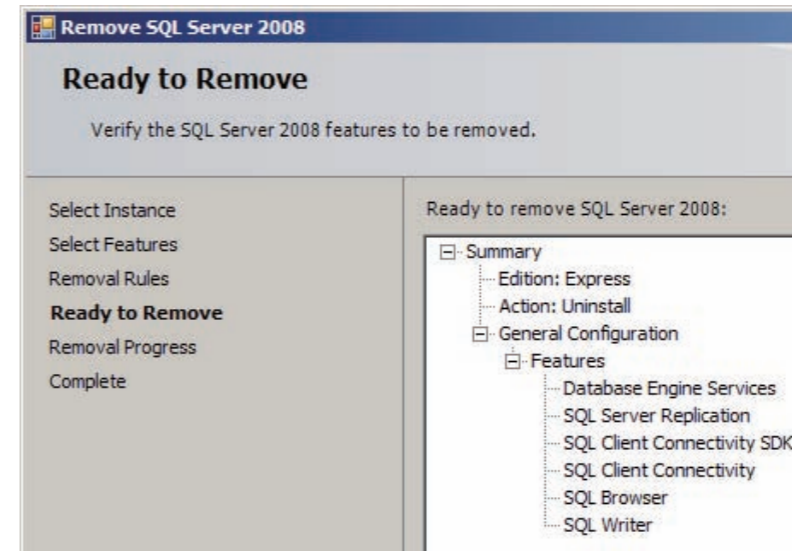


DXL08050014.ai

→ Checkmarks will be placed to all the checkboxes.

15. Click  .

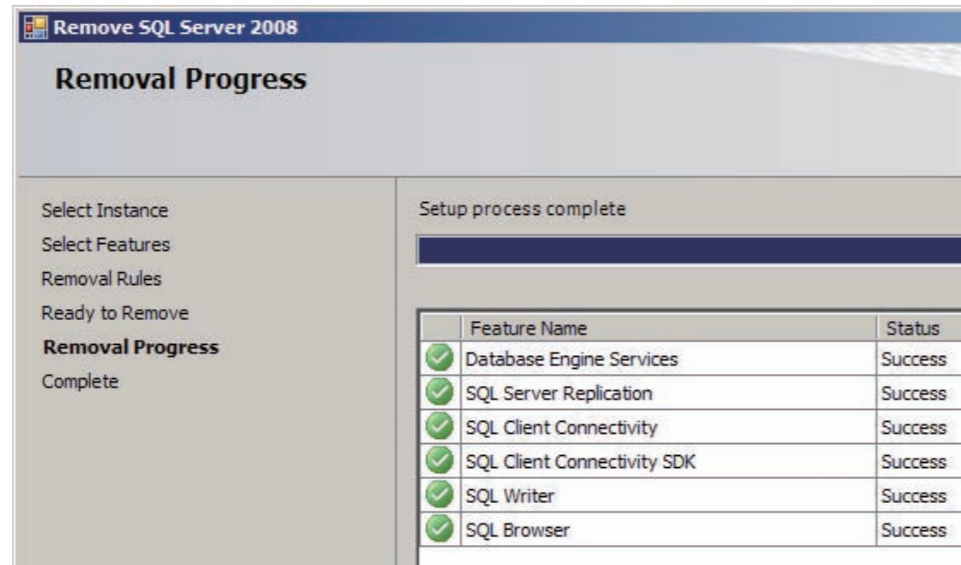
→ The “Ready to Remove” window opens.



DXL08050016.ai

16. Click  .

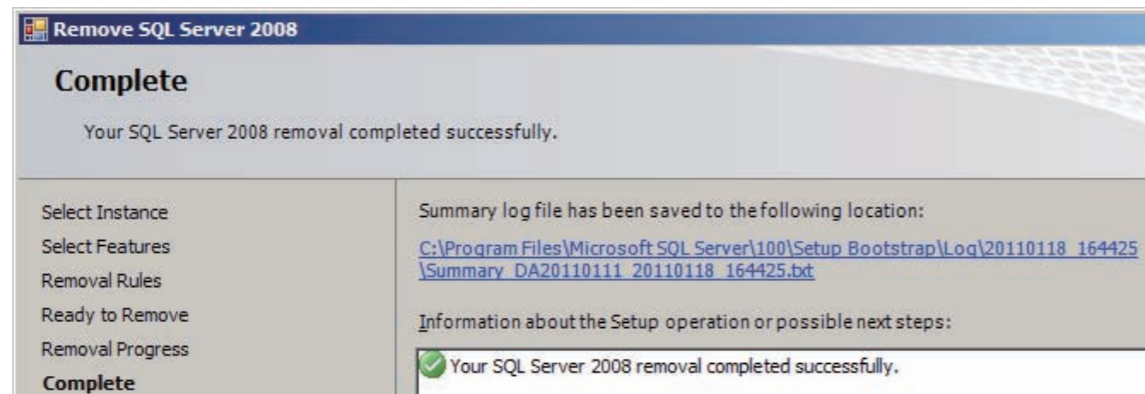
→ The uninstallation of SQL Server 2008 starts.
After a while, uninstallation ends.



DXL08050017.ai

17. Click  .

→ The “Complete” window opens.



DXL08050018.ai

18. Click  .

→ The system then returns to the “Programs and Features” window.

19. Select “Microsoft SQL Server 2008 Native Client” and then click [Uninstall/Change].

20. According to the instructions on the window, uninstall “Microsoft SQL Server 2008 Native Client”.

→ The system then returns to the “Programs and Features” window.

21. Close the “Programs and Features” window.

→ The system returns to the desktop screen.

3. Option Keys

The option key disk is required for uninstalling an option key.

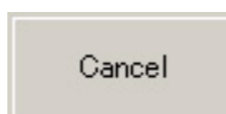
◆ NOTE ◆

When uninstalling an option key, be sure to perform the following procedure. If, for instance, you directly remove an option key with Registry Editor or the like, the option name may remain in a user window although the option function is removed.

1. Connect the USB disk drive (JIG) to the USB port of the Mobile X-ray Unit.

2. Insert into the disk drive the Disk for the option key you wish to uninstall.

3. The installation window opens. Press the



◆ NOTE ◆

You have to close it manually only when the installation window opens automatically.

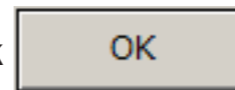
4. Select "All Programs" – "Accessories" – "Run" from the



menu.

→ The "Run..." window opens.

5. Enter the uninstallation command in the "Open (O)" box and click



D:\option key's executable file name (xxxxxx.exe)/u

◆ NOTE ◆

In the underlined portion, enter the drive name of the PC.

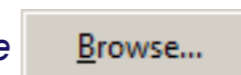
➔ REFERENCE

• To confirm the executable file name of an option key, you should directly view the contents of Disk from Explorer or the like.

Example: Executable file names for DX CL DICOM PRINT option

• OptionDcmPrint.exe

• You can click the



button to select the executable file for the option key to be uninstalled.

→ A window opens to indicate that uninstallation is completed.

6. Click



4. PPS Cache Server

■ Exiting the PPS Monitor

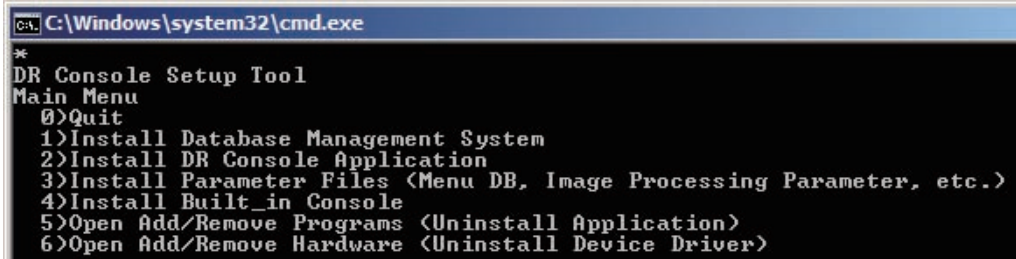
1. Press the <Ctrl> + <Shift> + <Esc> keys.
→ The “Windows Task Manager” window opens.
2. Select “Application” tab.
3. Select “PPS Monitor.exe” and click [End Task].
→ The “PPS Monitor” will then shut down.
4. Close the “Windows Task Manager” window.

■ Uninstalling the PPS cache server

1. Connect the USB disk drive (JIG) to the USB port of the Mobile X-ray Unit.
2. Insert the DR-ID 800CL-AP Disk into the disk drive .
→ The “DR Console Setup Tool” main menu opens automatically.

◆ NOTE ◆

In case the installation start window does not open automatically, double-click the execution file (Setup.bat) in the Disk.



```
C:\Windows\system32\cmd.exe
*
DR Console Setup Tool
Main Menu
0)Quit
1)Install Database Management System
2)Install DR Console Application
3)Install Parameter Files (Menu DB, Image Processing Parameter, etc.)
4)Install Built_in Console
5)Open Add/Remove Programs (Uninstall Application)
6)Open Add/Remove Hardware (Uninstall Device Driver)
```

RI000097.ai

3. Type in “5” and press the <Enter> key.
→ The “Programs and Features” window opens.
4. Select “PPS_CS” and click “Uninstall”.
→ A confirmation window opens.
5. Click .
→ Uninstallation processing ends in several seconds.
6. Close the “Programs and Features” window.
→ The system returns to the “DR Console Setup Tool” main menu.
7. Enter “0” and press the <Enter> key.
→ The system returns to the desktop screen.

BLANK PAGE

Appendix 8 Upgrading the AP

Describes the procedures for upgrading the version of DR-ID 800CL-AP.

► **IMPORTANT**

Before upgrading, check the following.

- Check verify that there are no patients reserved for exposure (no patients are registered in the examination queue window).
- Check that no image is left in the QA queue or output queue.
- For an institution where the exposure result log function and/or RetakeAnalysis function is used, save logs with the User Utility in advance.

Use the procedures described herein to upgrade the DR-ID 800CL-AP software version.

Step	Description (correlating to the subsequent titles prefixed by the ■ mark)	Upgrade type	
		V7.0 → V7.0	V7.0 → V7.3 ^{2*3*4}
1	■ Exiting the PPS Monitor, Remote Login Checker, and SKB Launcher	<input type="radio"/>	<input type="radio"/>
2	■ Exiting the MC Manager		<input type="radio"/>
3	■ Uninstalling the DR-ID 800CL-AP	<input type="radio"/>	<input type="radio"/>
4	■ Installing the DR-ID 800CL-AP	<input type="radio"/>	<input type="radio"/>
5	■ Installing the Standard Kit (1/2)	<input type="radio"/>	
6	■ Installing the HF	<input type="radio"/>	
7	■ Installing the Standard Kit (2/2)	<input type="radio"/>	
8	■ Installing the Standard Kit (V7.3 or later)		<input type="radio"/>
9	■ Converting image processing parameter	<input type="radio"/> ^{*1}	<input type="radio"/>
10	■ Executing various batch files	<input type="radio"/>	<input type="radio"/>
11	■ Setting Service Utility and Other Settings	<input type="radio"/>	<input type="radio"/>
12	■ Replacing the definition file of RIS tab in the study list window		<input type="radio"/>
13	■ Resetting the carried over trimming size		<input type="radio"/>
14	■ Resetting the Service Class of the other connected equipment at NETWORK CONFIG		<input type="radio"/> ^{*5}

*1 In case of institutions performing unstandardized processing and monitor diagnosis, perform this procedure as required.

*2 Analysis functions of Smart-QA are not applied to the images exposed in V7.0 although the images have been upgraded to V7.3 or later.

*3 If an exposure menu which the S value/L value warning is still being activated exists in V7.0, the S value/L value warning information is deleted when an upgrade to V7.3 or later is performed.


*4 In V7.0, when "Radiation field/Trimming Settings" of the exposure menu is set to "10"x14"", the setting "Radiation field: 14"x14", Trimming: 10"x14"" is applied. However, the setting is handled differently in V7.3 or later. In V7.3 or later, to apply "Radiation field: 14"x14", Trimming: 10"x14"", you have to change the exposure menu setting separately.

*5 Perform the setup as necessary if you wish to change the setup value of "Photometric Interpretation", which is a setup item in Service Class of the other connected equipment, to "MONOCHROME2".

■ Exiting the PPS Monitor, Remote Login Checker, and SKB Launcher



1. Press the <Ctrl> + <Shift> + <Esc> keys.
→ The “Windows Task Manager” window opens.
2. Select “Processes” tab.
3. If any of the following programs are executed, select the programs and click [End Process].
 - “PPSMonitor.exe”
 - “RemoteLoginChecker.exe”
 - “SKBLauncher.exe”
4. Close the “Windows Task Manager” window.

■ Exiting the MC Manager

1. Right-click  in the task tray, and select “Exit”.
→ The “MC Manager” exits.

■ Uninstalling the DR-ID 800CL-AP

◆ NOTE ◆

- For an institution where the actual exposure result data file output function and/or mis-exposure comment input function is used, complete the following steps and then perform uninstallation processing.
 1. Start up the DR-ID 800CL-AP.
 2. Click “User Utility” in the  menu .
→ User Utility mode starts running.
 3. Use the exposure result log storage function to save mis-exposure log or exposure result log.
 4. Shut down User Utility mode while holding down the <Shift> key.
→ User Utility mode starts running.
 - If  exists in the taskbar, select “End” from the right-click menu.
-

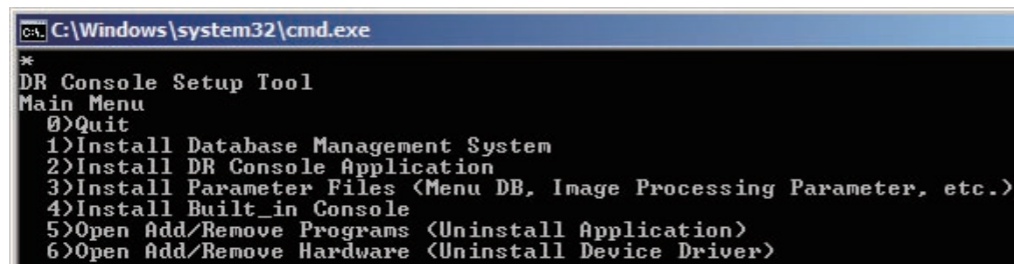
1. Connect the USB disk drive (JIG) to the USB port of the Mobile X-ray Unit.

2. Insert the DR-ID 800CL-AP Disk into the disk drive .

→ The “DR Console Setup Tool” main menu opens automatically.

◆ **NOTE** ◆

In case the installation start window does not open automatically, double-click the execution file (Setup.bat) in the Disk.



```
C:\Windows\system32\cmd.exe
*
DR Console Setup Tool
Main Menu
0)Quit
1)Install Database Management System
2)Install DR Console Application
3)Install Parameter Files (Menu DB, Image Processing Parameter, etc.)
4)Install Built_in Console
5)Open Add/Remove Programs (Uninstall Application)
6)Open Add/Remove Hardware (Uninstall Device Driver)
```

RI000097.ai

3. Type in “5” and press the <Enter> key.

→ The “Programs and Features” window opens.

4. Select “IIP” and click “Uninstall/Change”.

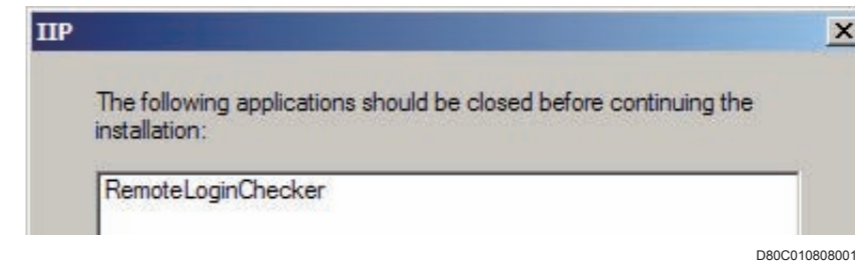
→ A confirmation window opens.

5. Click .

→ The software uninstallation window opens.

◆ **NOTE** ◆

- The message “Prepare installation” appears here at this step. Note that uninstallation processing then starts, and not installation processing as the message indicates.
- Click [OK] if a window like that shown below opens.



→ Uninstallation processing ends in several seconds.

6. Close the “Programs and Features” window.

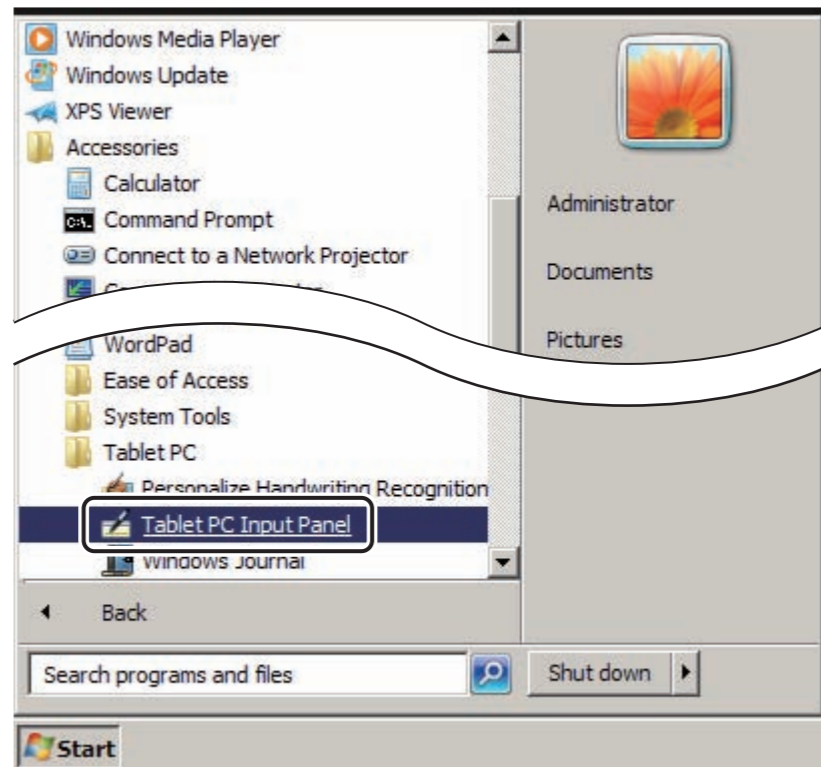
→ The system returns to the “DR Console Setup Tool” main menu.

■ Installing the DR-ID 800CL-AP

➔ REFERENCE

The procedure for displaying the software keyboard manually is described below.

1. From the **Start** menu, sequentially choose “All Programs”, “Accessories”, “Tablet PC”, and “Tablet PC Input Panel”.



D80C010808002.ai

➔ The software keyboard is displayed.

1. Type in “2” on the “DR Console Setup Tool” main menu window and press the <Enter> key.

```
C:\Windows\system32\cmd.exe
*
DR Console Setup Tool
Main Menu
0)Quit
1)Install Database Management System
2)Install DR Console Application
3)Install Parameter Files (Menu DB, Image Processing Parameter, etc.)
4)Install Built_in Console
5)Open Add/Remove Programs (Uninstall Application)
6)Open Add/Remove Hardware (Uninstall Device Driver)
```

RI000097.ai

➔ The “Select Locale” window opens.

```
Select Locale
0)Cancel
1)Japanese
2)English(U.S.)
3)Other
Select Number >
```

DXCL080305001.ai

◆ NOTE ◆

For V7.0, the “Select Locale” and “Select Parameter Type” windows are hidden. Proceed to step 4.

2. Enter the item no. of a language you wish to set up and press the <Enter> key.

➔ The “Select Parameter Type” window opens.

```
Select Parameter Type
0)Cancel
1)for Monitor
2)for Film
Select Number >
```

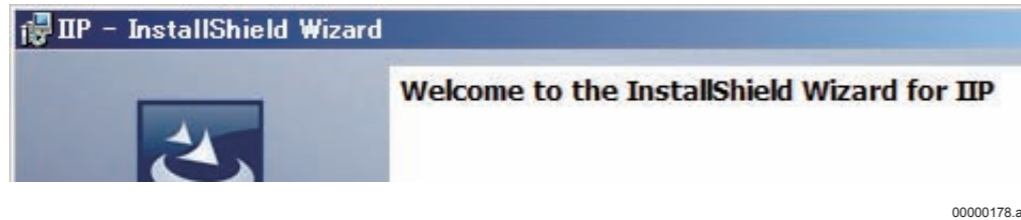
DXCL080305002.ai

3. Enter the item no. of a parameter type you wish to set up and press the <Enter> key.

➔ **REFERENCE**

The default setting value is “2)for film” (image processing parameter for film).

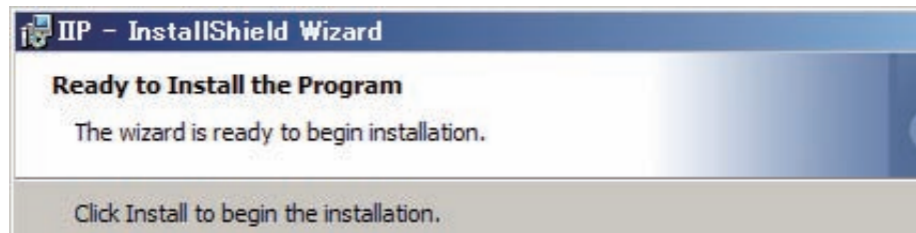
➔ The installer starts up and the “IIP/Welcome to the...” window opens.



00000178.ai

4. Click .

➔ The “IIP/Ready to Install the Program” window opens.



00000180.ai

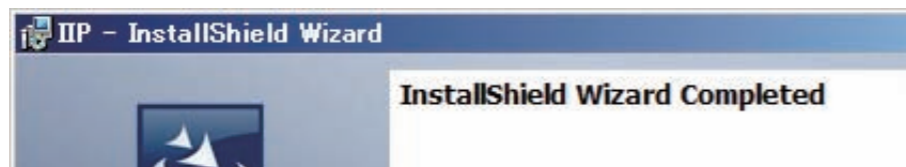
5. Click .

◆ **NOTE** ◆

If the following error message has been displayed, re-execute the installation from step 1.

Error1722 There is a problem with this windows Installer package.~

➔ Installation processing is now complete and the “IIP/InstallShield Wizard Completed” window opens.



00000181.ai

6. Click .

➔ The system returns to the “DR Console Setup Tool” main menu.

7. Enter “0” and press the <Enter> key.

➔ The system returns to the desktop screen.

8. Remove the Disk from the PC.

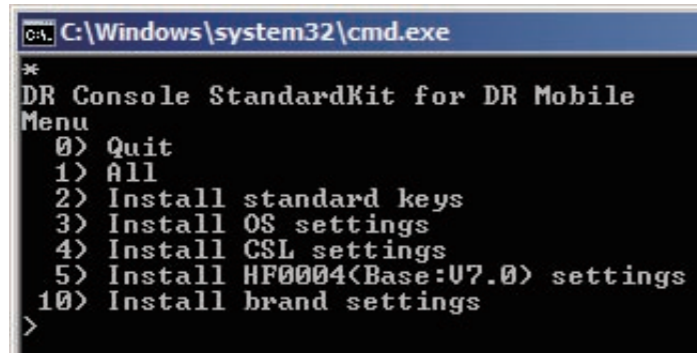
■ Installing the Standard Kit (1/2)

1. Insert the Standard Kit Disk into the disk drive.

→ The “DR Console StandardKit for DR Mobile” window opens.

◆ NOTE ◆

In case the installation start window does not open automatically, double-click the execution file (Setup.bat) in the Disk.



```
C:\Windows\system32\cmd.exe
*
DR Console StandardKit for DR Mobile
Menu
0) Quit
1) All
2) Install standard keys
3) Install OS settings
4) Install CSL settings
5) Install HF0004(Base:V7.0) settings
10) Install brand settings
>
```

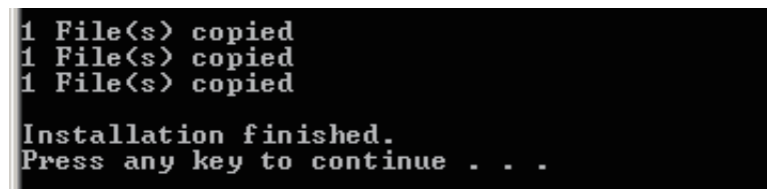
D80C020309004.ai

➔ REFERENCE

For the Standard Kit V1.0, the “10) brand settings” item is not displayed.

2. Enter “4” and press the <Enter> key.

→ The following window opens.



```
1 File(s) copied
1 File(s) copied
1 File(s) copied

Installation finished.
Press any key to continue . . .
```

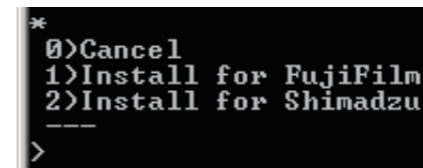
D80C010309003.ai

3. Press the <Enter> key.

→ The system returns to the “DR Console StandardKit for DR Mobile” window.

4. Enter “10” and press the <Enter> key.

→ The following window opens.

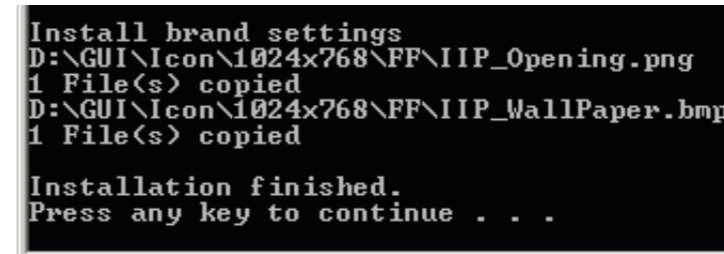


```
*
0)Cancel
1)Install for FujiFilm
2)Install for Shimadzu
---
```

D80C020309005.ai

5. Enter “1” and press the <Enter> key.

→ The following window opens.



```
Install brand settings
D:\GUI\Icon\1024x768\FF\IIP_Opening.png
1 File(s) copied
D:\GUI\Icon\1024x768\FF\IIP_WallPaper.bmp
1 File(s) copied

Installation finished.
Press any key to continue . . .
```

D80C020208002.ai

6. Press the <Enter> key.

→ The system returns to the “DR Console StandardKit for DR Mobile” window.

7. Enter “0” and press the <Enter> key.

→ The system returns to the desktop screen.

8. Remove the Disk from the disk drive.

■ Installing the HF

Install all of the following HF.

- HF0001 (Base:V7.0)
- HF0002 (Base:V7.0)
- HF0004 (Base:V7.0)
- HF0010 (Base:V7.0)
- HF0020 (Base:V7.0)

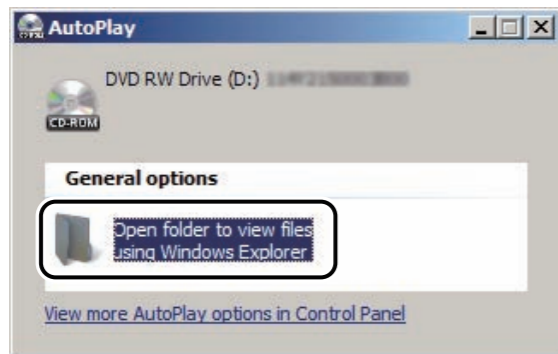
➔ REFERENCE

For example, installation procedure of “HF0002 (Base:V7.0)” is described as follows.

1. Insert the “DR-ID 800CL Application Software HF0002 (Base:V7.0)” Disk into the disk drive.

→ The “AutoPlay” window opens.

2. Click “Open folder to view files”.



D80C010808003.ai

→ An explorer opens.

3. Double-click “114Y2150744B00.zip”.

→ The “114Y2150744B00” window opens.

4. Copy the “114Y2150744B00” folder and paste it to “C:\”.

5. Right-click “C:\114Y2150744B00” folder and select “Properties”.

→ The “114Y2150744B00 properties” window opens.

6. Make sure that the value of “Size” is “8.89MB (9,332,155 bytes)” and close the “114Y2150744B00 properties” window.

◆ NOTE ◆

The following are file size of HF to be installed.

HF0001 (Base:V7.0) :21.8MB (22,905,939 bytes)

HF0002 (Base:V7.0) :27.8MB (28,180,368 bytes)

HF0010 (Base:V7.0) :2.70MB (2,833,952 bytes)

HF0020 (Base:V7.0) :2.21MB (2,319,785 bytes)

→ The system returns to the explorer.

7. Double-click “C:\114Y2150744B00\Setup.bat”.

→ The “IIP Setup Tool” main menu opens.

8. Enter “1” and press the <Enter> key.

→ After installation completed, and the “Press any key to continue...” message appears.

9. Press the <Enter> key.

→ The system returns to the “IIP Setup Tool” main menu.

◆ NOTE ◆

When you install “HF0001 (Base:V7.0)”, “HF0004 (Base:V7.0)”, “HF0010 (Base:V7.0)”, or “HF0020 (Base:V7.0)”, steps 10 and 11 are not required. Proceed to step 12.

10. Enter “2” and press the <Enter> key.

→ After installation completed, and the “Press any key to continue...” message appears.

11. Press the <Enter> key.

→ The system returns to the “IIP Setup Tool” main menu.

12. Enter “0” and press the <Enter> key.

→ The system returns to the “114Y2150744B00” main menu.

13. Close all explorers.

→ The system returns to the desktop screen.

14. Remove the Disk from the disk drive.

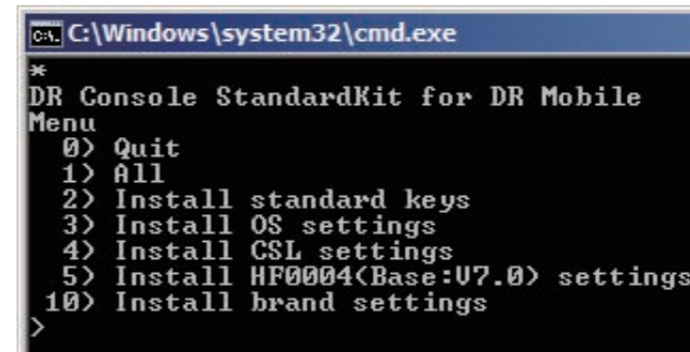
■ Installing the Standard Kit (2/2)

1. Insert the Standard Kit Disk into the disk drive.

→ The “DR Console StandardKit for DR Mobile” window opens.

◆ NOTE ◆

In case the installation start window does not open automatically, double-click the execution file (Setup.bat) in the Disk.

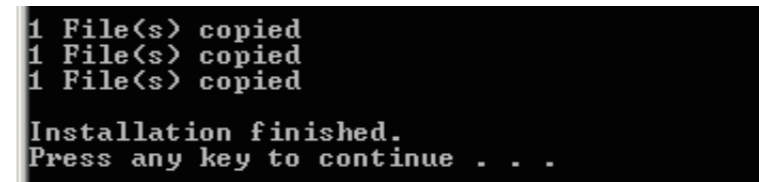


```
C:\Windows\system32\cmd.exe
*
DR Console StandardKit for DR Mobile
Menu
0) Quit
1) All
2) Install standard keys
3) Install OS settings
4) Install CSL settings
5) Install HF0004(Base:V7.0) settings
10) Install brand settings
>
```

D80C020309004.ai

2. Enter “4” and press the <Enter> key.

→ The following window opens.



```
1 File(s) copied
1 File(s) copied
1 File(s) copied

Installation finished.
Press any key to continue . . .
```

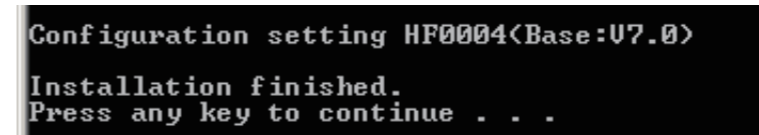
D80C010309003.ai

3. Press the <Enter> key.

→ The system returns to the “DR Console StandardKit for DR Mobile” window.

4. Enter “5” and press the <Enter> key.

→ The following window opens.



```
Configuration setting HF0004(Base:V7.0)

Installation finished.
Press any key to continue . . .
```

D80C010309004.ai

5. Press the <Enter> key.

→ The system returns to the “DR Console SettingKit for DR Mobile” window.

6. Enter “0” and press the <Enter> key.

→ The system returns to the desktop screen.

7. Remove the Disk from the disk drive.

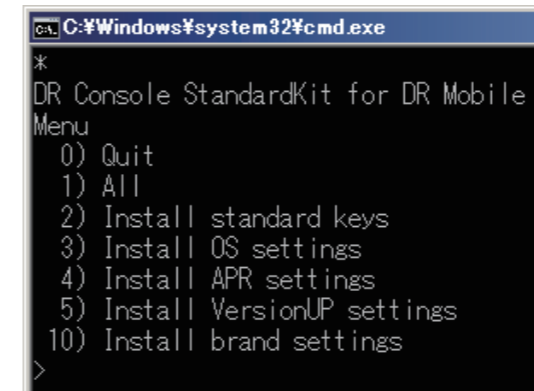
■ Installing the Standard Kit (V7.3 or later)

1. Insert the Standard Kit Disk into the disk drive.

→ The “DR Console StandardKit for DR Mobile” window opens.

◆ NOTE ◆

In case the installation start window does not open automatically, double-click the execution file (Setup.bat) in the Disk.

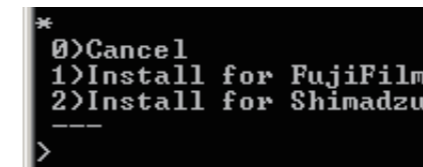


```
C:\Windows\system32\cmd.exe
*
DR Console StandardKit for DR Mobile
Menu
0) Quit
1) All
2) Install standard keys
3) Install OS settings
4) Install APR settings
5) Install VersionUP settings
10) Install brand settings
>
```

D80C030309001.ai

2. Enter “5” and press the <Enter> key.

→ The following window opens.

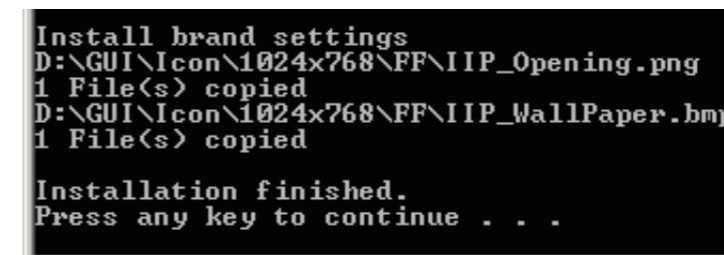


```
*
0)Cancel
1)Install for FujiFilm
2)Install for Shimadzu
----
>
```

D80C020309005.ai

3. Enter “1” and press the <Enter> key.

→ The following window opens.



```
Install brand settings
D:\GUI\Icon\1024x768\FF\IIP_Opening.png
1 File(s) copied
D:\GUI\Icon\1024x768\FF\IIP_WallPaper.bmp
1 File(s) copied

Installation finished.
Press any key to continue . . .
```

D80C020208002.ai

4. Press the <Enter> key.

→ The system returns to the “DR Console StandardKit for DR Mobile” window.

5. Enter “0” and press the <Enter> key.

→ The system returns to the desktop screen.

6. Remove the Disk from the disk drive.

■ Converting image processing parameter

◆ **NOTE** ◆

In case of institutions performing unstandardized processing and monitor diagnosis, the image processing parameters must be converted from filming to monitoring as required.

■ Executing various batch files

Execute the following batch files in the DR-ID 800CL-AP Disk.

- “D:\tools\FirewallSetting.bat”

◆ **NOTE** ◆

Execute the following batch files only for the DR-ID 800CL that is installed in the U.S. Department of Defense (DoD).

- “D:/tools/SecurityImprovement/apply.bat”
-

■ Setting Service Utility and other settings

◆NOTE◆

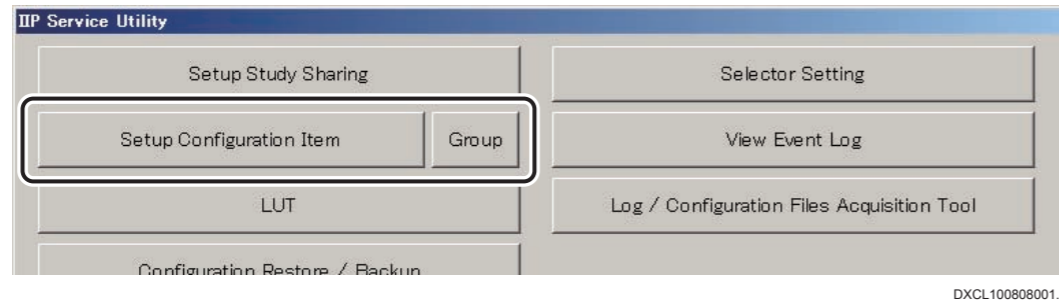
After completing software version upgrade, set up the Service Utility and perform necessary checks, as appropriate.

● Setting the System Information

1. Start up the DR-ID 800CL Service Utility.

☞ For how to start up the Service Utility, see “1. Starting/Exiting the Service Utility” under “MU: Maintenance Utility”.

2. Click [Setup Configuration Item] on the “IIP Service Utility” window.

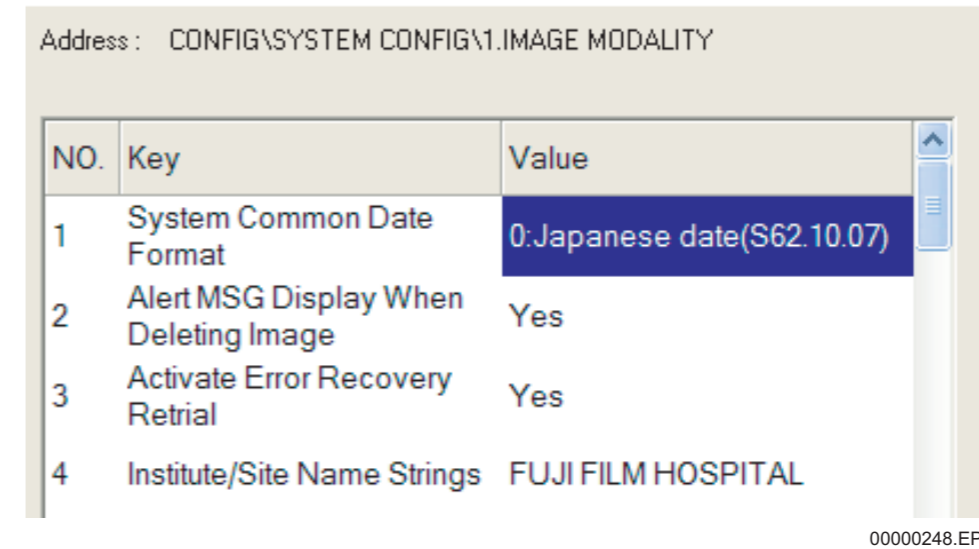


→ The “Setup Configuration Item” window opens.

3. On the window that opens, click the mark to the left of **SYSTEM CONFIG**.

4. Click **1.IMAGE MODALITY**.

→ Setup data of the DR-ID 800CL system information is displayed in the pane right of the window.



Address : CONFIG\SYSTEM CONFIG\1.IMAGE MODALITY

NO.	Key	Value
1	System Common Date Format	0:Japanese date(S62.10.07)
2	Alert MSG Display When Deleting Image	Yes
3	Activate Error Recovery Retrial	Yes
4	Institute/Site Name Strings	FUJI FILM HOSPITAL

00000248.EPS

5. Set “297” for Display Pixel Size .

6. Set “0 : 1024 x 768” for “300 Monitor1 Resolution Setting”.

7. Perform settings of other system information items as necessary.

8. From the “Config” menu, choose “Save”.

→ A window opens, prompting you to confirm the setup data to be saved.

9. Click .

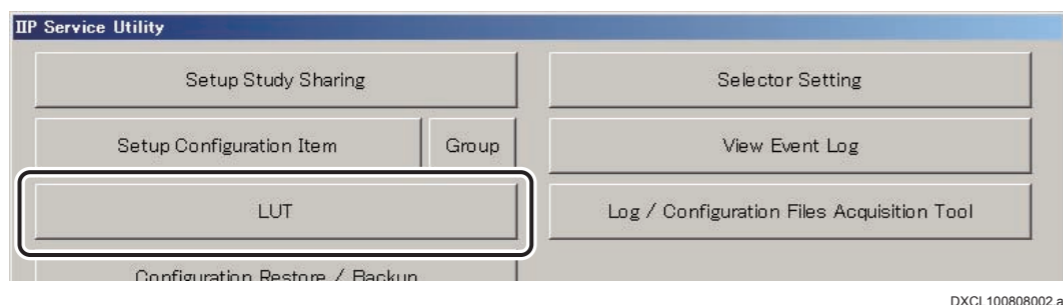
→ The system saves the setup data.

10. From the “Config” menu, choose “Close”.

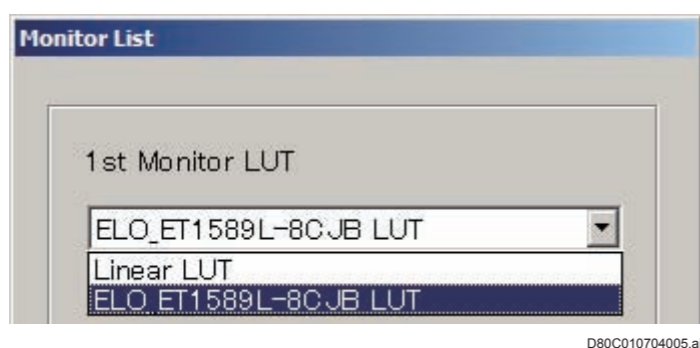
→ The system returns to the “IIP Service Utility” window.

● LUT setting

1. Click [LUT] on the “IIP Service Utility” window.



→ The “Monitor List” window opens.



2. Select “ELO_ET1589L-8C JB LUT” and click [OK].

◆ NOTE ◆

If “ELO_ET1589L-8C JB LUT” is not displayed, overwrite “C:\Program Files\FujiFilm\IIP\Lut\lut.txt” with “LUT\lut.txt” in the Standard Kit Disk.

➔ REFERENCE

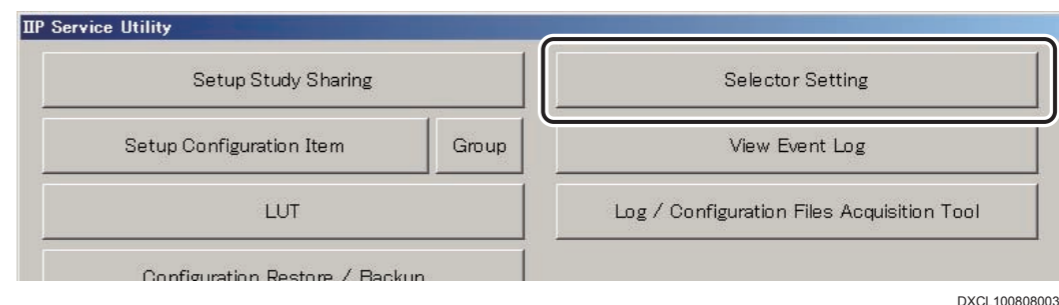
You can confirm the type of the LUT file set in DR-ID 800CL by comparing the update dates and sizes of the following files, and by comparing the file contents when the file is opened from a notepad.

- The LUT file set in DR-ID 800CL.
The PL-r22.env file in the “C:\Program Files\FujiFilm\IIP\Config\” folder.
- The LUT file settable in DR-ID 800CL
The env file in the “C:\Program Files\FujiFilm\IIP\Lut\” folder.

→ The system returns to the “IIP Service Utility” window.

● Selector setting

1. Click [Selector Setting] on the “IIP Service Utility” window.



→ The “Selector Setting” window opens.

2. Perform selector setting as necessary.

☞ For details on how to set up the selector, see “11. Setting the Selectors — Selector Setting” under “MU: Maintenance Utility”.

3. Click .

→ The system returns to the “IIP Service Utility” window.

4. Click [Exit Service Utility].

→ The system returns to the desktop.

● Updating the Operation Manual (PDF)

When the operation manual browsing tool has been installed, execute the following steps.

1. Start up the task manager, and terminate the following processes.

- LauncherSoft.exe
- PDFPassWordInput.exe

2. Delete “C:\Program Files\FujiFilm\Tools” folder.

3. Copy the latest operation manual (PDF) to the PC, and set the launcher.

-  For details of setting the launcher, see “4. Browsing Operation Manuals (PDF) Other Than for the Console” under “Appendix 23 Settings Necessary for Browsing the Operation Manuals (PDF)”.

■ Replacing the definition file of RIS tab in the study list window

◆ NOTE ◆

If the study list display has been customized, it will return to the default setting when the definition file is replaced. To transfer the display setting of the study list, confirm the customizing details in advance, and customize the definition file content again after replacing the definition file.

1. Insert the DR-ID 800CL-AP Disk into the PC.

2. Start running Explorer and open the following folder.

“(Disk):\program files\FujiFilm\IIP\Config”

3. Copy “CustomizeStudyListInfo.xml”.

4. Paste “CustomizeStudyListInfo.xml” copied in step 3 to the “C:\Program Files\FujiFilm\IIP\Config\CustomizeStudyListInfo.xml” folder and overwrite the existing file.

5. Close all explorers.

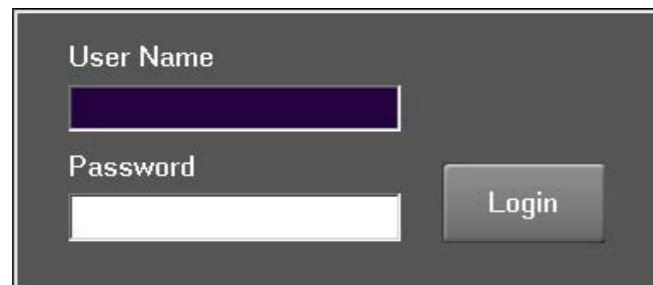
■ Resetting the carried over trimming size

Setting “17”x17” for the trimming size are not allowed since V7.3 or later. However, only when the trimming size has been carried over due to the version upgrading, setting “17”x17” is allowed.

If the trimming size of the study menu was not set when the software was upgraded to V7.3 or later, judging whether the trimming size will become “17”x17” or will be in accordance with the exposure menu cannot be done. Therefore, the carried over trimming size must be reset. The procedure for resetting the carried over trimming size is shown below.

1. Click  and then sequentially choose “All Programs”, “Fuji Film”, and “Console Advance”.

→ The Log-in window opens.



CLP74010.EPS

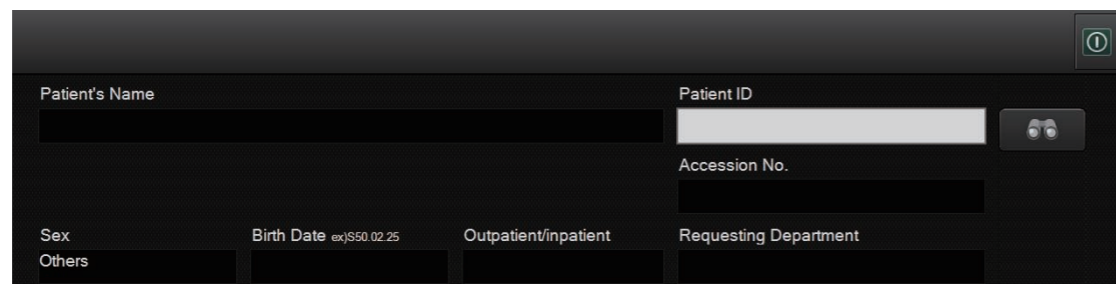
2. Enter the following.

User name : 11111 (default)

Password : 11111 (default)

3. Click [Login].

→ The DR-ID 800CL-AP starts up.



DXL08030002.ai

4. Click “User Utility” in the  menu.

→ The “Main Menu” window opens.

5. Click [Menu Settings].

→ “Menu Setting” window opens.

6. Select an arbitrary menu from “Exposure/Study Menu” on the right side of the window, and click [Edit].

→ “Exposure Menu Setting” window opens.

7. Open the “Trimming settings(CR/DR)” tab, place a checkmark to either of the items in the “Trimming size” field, and click [OK].

→ The system returns to the “Menu Setting” window.

8. Click [OK].

→ The system returns to the “Main Menu” window.

9. Open the “Exposure Menu Setting” window again with the same procedure as steps 5 and 6.

10. Remove the checkmark placed at step 7 and click [OK].

→ The system returns to the “Menu Setting” window.

11. Click [OK].

→ The system returns to the “Main Menu” window.


12. Click [Terminate].

→ The system returns to the registration window of DR-ID 800CL-AP.

■ Resetting the Service Class of the other connected equipment at NETWORK CONFIG

Perform the following procedure if you wish to change the setup value of “Photometric Interpretation”, which is a setup item in Service Class of the other connected equipment, to “MONOCHROME2”.

1. Start up the Service Utility mode.

 For details of DR-ID 800CLs Service Utility mode startup, see [“1. Starting/Exiting the Service Utility” in “MU: Maintenance Utility”](#).

2. Click [Setup Configuration Item].

→ The “Setup Configuration Item” window opens.

3. Select the Service Class of the other connected equipment whose “Photometric Interpretation” you wish to change from NETWORK CONFIG, and click [Modify].

→ Service Class setup details are displayed.

4. Note down the Service Class setup details and click [Cancel].

→ The system returns to the “Setup Configuration Item” window.

5. Confirm that the Service Class of the other connected equipment whose “Photometric Interpretation” you wish to change is selected, and click [Delete] in the “DICOM Setup” area.

→ Service Class is then removed.

6. Click [New] in the “DICOM Setup”.

→ The system returns to the “Main Menu” window.

7. Set the details noted down at step 4.

8. Select “MONOCHROME2” in the “Photometric Interpretation”, and then click [OK].

→ The system returns to the “Setup Configuration Item” window.

9. If there is more than one Service Class of the other connected equipment whose “Photometric Interpretation” you wish to change, repeat step 3 to 8 to re-set all of Service Classes.

10. Save the setup data and exit the Service Utility.

BLANK PAGE

Appendix 9 Setup for Security Enhancement

To provide DR-ID 800CL security enhancement, complete the following three setup procedures.

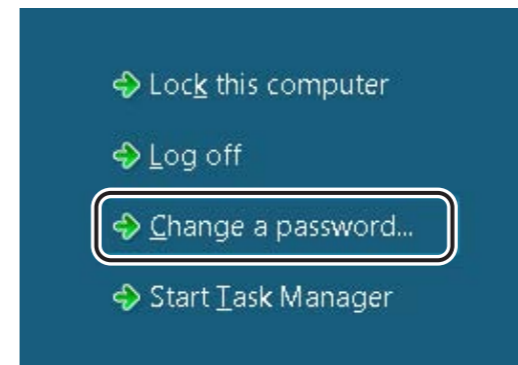
- Replacing the default password with a new password
- Changing the setup so that the computer prompts for password input at logon
- Defining the minimum character count for the password

◆ NOTE ◆

Settings performed for password change and prompt for password input at login will not start up the DR-ID 800CL automatically. To have it start up automatically, it is necessary to input the user name and the password on the Windows initial screen.

■ Replacing the default password with a new password

1. Simultaneously press the [Ctrl], [Alt], and [Delete] keys.
→ The “Windows Security” window opens.
2. Click the [Change Password...] button.



DCL8A008.ai

→ The “Change Password” window opens.

3. From the “Change Password” window, perform the following setup steps.



DCL8A005.ai

- I. Enter the currently used password (fcr-iip by default).
- II. Enter a new password consisting of no more than seven characters.
- III. Enter the new password again for confirmation.

4. Click .

→ “Your password has been changed.” is displayed.

5. Click [OK].

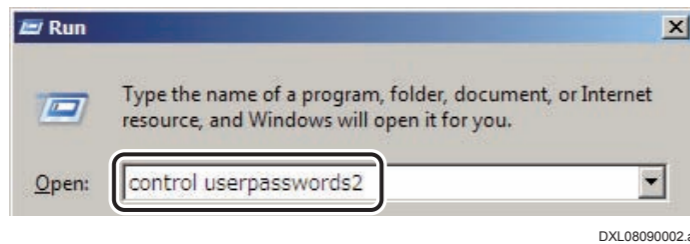
→ The system returns to the desktop screen.

■ Changing the setup so that the computer prompts for password input at logon

1. Select “All Programs”, “Accessories” and “Run...” from the  menu.

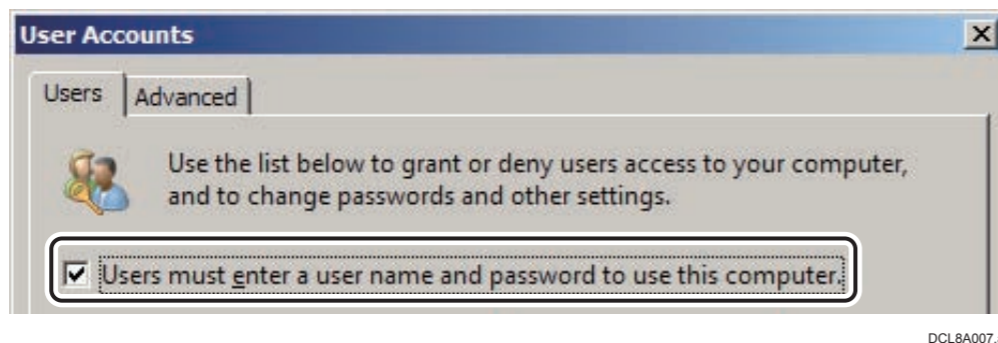
→ The “Run” window opens.


2. Input “control userpasswords2” and click [OK].



→ The “User Accounts” window opens.

3. Place a checkmark to “Users must enter a user name and password to use this computer.” (→).



4. Click .

→ The system returns to the desktop screen.

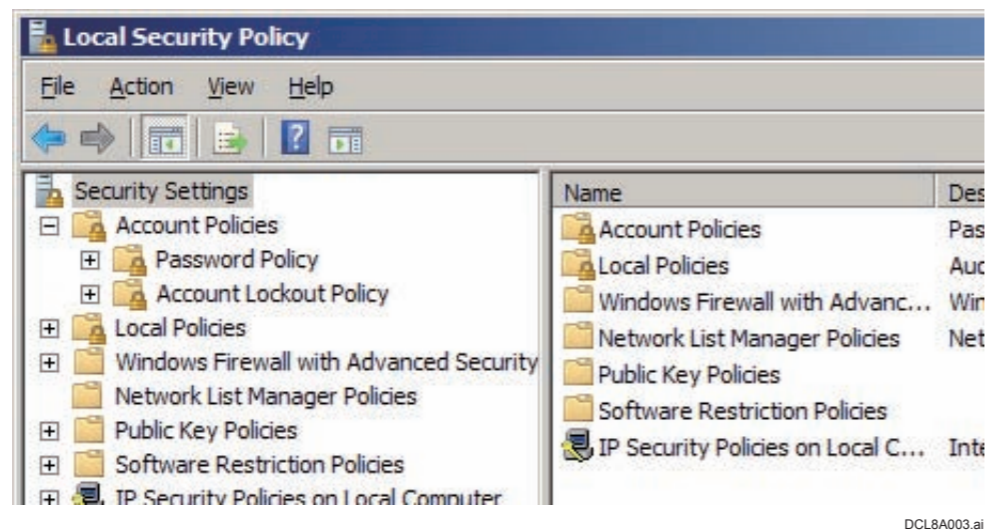
■ Defining the minimum character count for the password



1. Open “Control Panel”. Click  **Administrative Tools** and

then double-click



→ The “Local Security Settings” window opens.



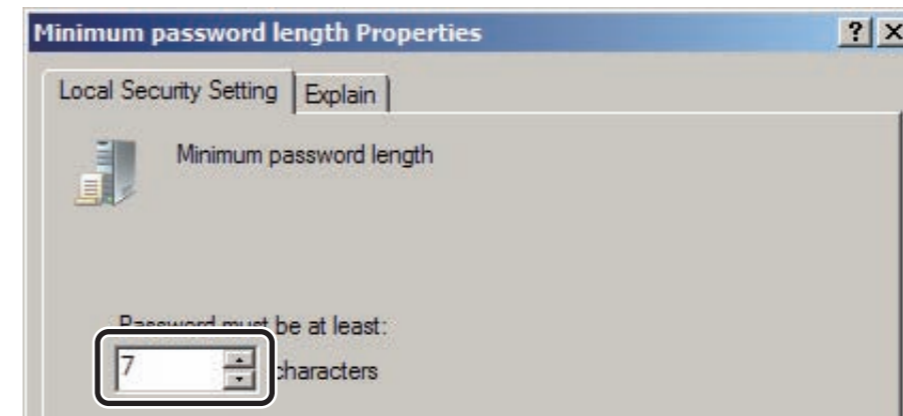
2. Click the  mark for  **Account Policies** and then click  **Password Policy**.

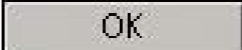
→ The right-hand pane shows the password policy settings.

3. Double-click  **Minimum password length**.

→ The “Local Security Policy Setting” window opens.

4. Set the number of password characters to “7”.



5. Click .

→ The system returns to the “Local Security Settings” window.

6. Close the “Local Security Settings” window.

→ The system returns to the “Administrative Tools” window.

7. Close the “Administrative Tools” window.

→ The system returns to the desktop screen.

BLANK PAGE

Appendix 10 DICOM CR Storage

Described herein is the procedure for transferring the following images from the DR-ID 800CL to other connected equipment using the DICOM CR Storage function.

- Processed images
- Unprocessed images, assigned with image parameters

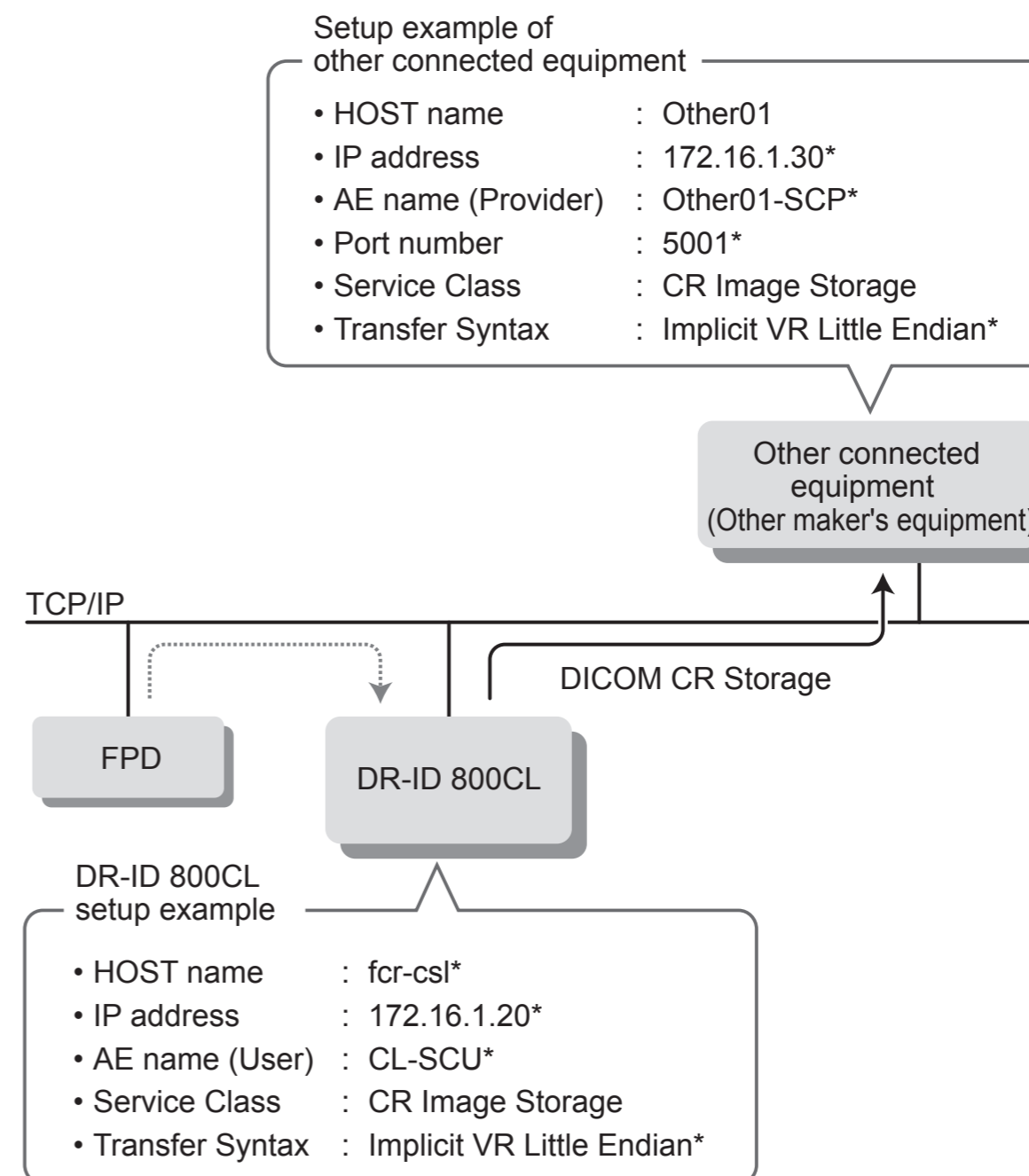
◆ NOTE ◆

An equipment unit to which images are transferred is referred to hereinafter simply as "other connected equipment".

■ Prior to setup

- DR-ID 800CL requirements
 - The DR-ID 800CL main unit must have been set up accordingly.
- Requirements of other connected equipment
 - Other connected equipment must have been set up accordingly.
 - The DICOM CR Storage (SCP) Service Class must be supported.
 - Connection to the DR-ID 800CL must be established and confirmed properly.
Equipment of confirmed connectivity: Synapse V3.1.0 or later

■ Connection/setup example



Items marked with "*" constitute setup examples, which need be changed depending on the equipment or network environment.

D80C010810005.ai

■ Overall operation flow

Use a network cable to connect the DR-ID 800CL to other connected equipment.

☞ “1. Hardware Setup”

Make setups for inputting/outputting images via DICOM.

- Setup of information (AE name, device attribute, Service Class, etc.) on this equipment
- Registration of information (AE name, device attribute, port number, Service Class, handling of HQ images, etc.) on other connected equipment

Make the following setups as required.

- Setup for automatic image distribution code
- Setup for CONNECTING EQUIPMENT
- Setup for UID issuance
- Setup for name elements
- Setup for the timing of the image distribution (V7.3 or later)

☞ “2. Software Setup”

Make sure that images can be transferred from the DR-ID 800CL to other connected equipment.

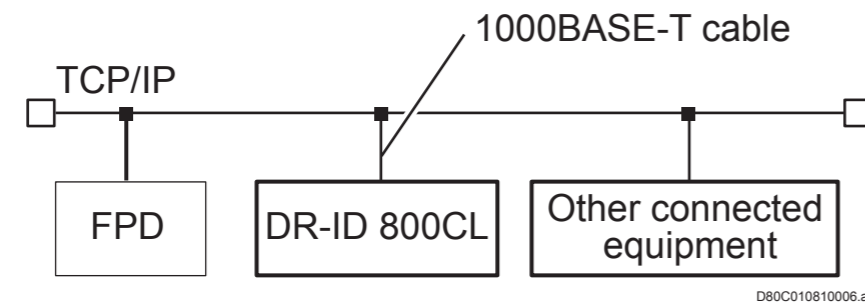
☞ “3. Connection Checkout”

Back up the configuration file.

☞ “4. Setup File Backup”

1. Hardware Setup

Connect the DR-ID 800CL to other connected equipment via network as illustrated below.



◆ NOTE ◆

- Do not connect the telephone line to the network connectors of the DR-ID 800CL and other connected equipment.
- The cable type applicable to the DR-ID 800CL is the IEC950/UL1950-compliant UTP cable of enhanced category 5 or higher.

2. Software Setup

Set up software for the DR-ID 800CL and other connected equipment. Set up the items shown in gray as required. Be sure to set up all other items.

- 2.1 DR-ID 800CL Software Setup
 - 2.1.1 Starting the Service Utility
 - 2.1.2 Setup for the Study Modality
 - 2.1.3 Setup of Information on This Equipment for the DICOM CR Storage Function
 - 2.1.4 Registration of Information on Other Connected Equipment for the DICOM CR Storage Function
 - 2.1.5 Settings of Automatic Image Distribution (DISTRIBUTION CODE)
 - 2.1.6 Setup for CONNECTING EQUIPMENT
 - 2.1.7 Settings for UID Issuance
 - 2.1.8 Changing the Name Elements
 - 2.1.9 Display Gradation Correction Setup
 - 2.1.10 Service Utility Shutdown
 - 2.1.11 Setup for the Timing of the Image Distribution (V7.3 or Later)

Tasks done on the DR-ID 800CL

- 2.2 Software Setup on Other Connected Equipment

Tasks done on other connected equipment

2.1 DR-ID 800CL Software Setup

2.1.1 Starting the Service Utility

1. Turn ON the power of the DR system on the Mobile X-ray Unit.

→ Windows starts up and then the DR-ID 800CL-AP starts running in about one minute.

→ REFERENCE

If the AP or Windows is already running, start the Service Utility as directed under REFERENCE in step 2. below.

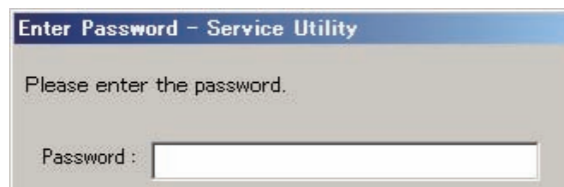
2. Within a period of 3 seconds after the initial window opens, sequentially click the upper left and upper right corners of the window.

Click the upper left corner and then the upper right corner.



DXL03100001.ai



→ The “Enter Password” window opens.



DXL41001.ai

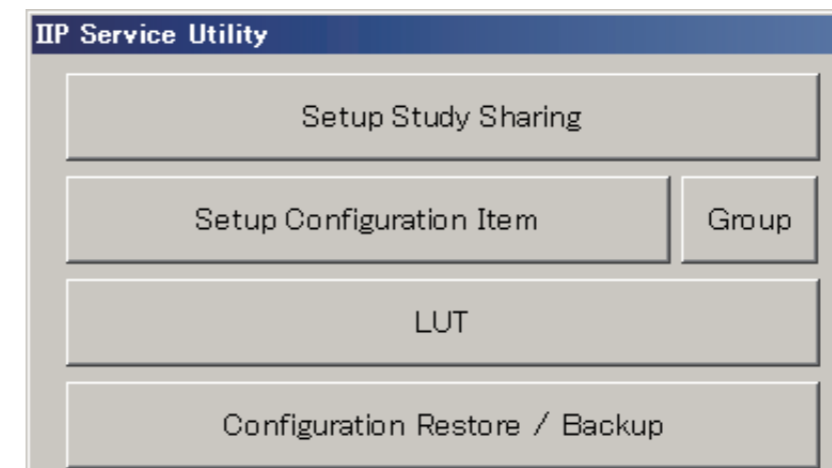
→ REFERENCE

If you cannot complete step 2. from the initial window within a 3-second period and allow the AP to start up, perform the following steps to start the Service Utility.

1. To exit the AP, choose “Shut Down” in the  menu .
2. Click [OK] while holding down the <Shift> key on the shutdown window.
3. From the  menu, sequentially choose “All Programs”, “Fuji Film”, and “Console Advance”.
4. When the initial window opens, sequentially click its upper left and upper right corners within a period of 3 seconds.

3. Enter a password (“fieldengineer”) to log in to the Service Utility and click  .

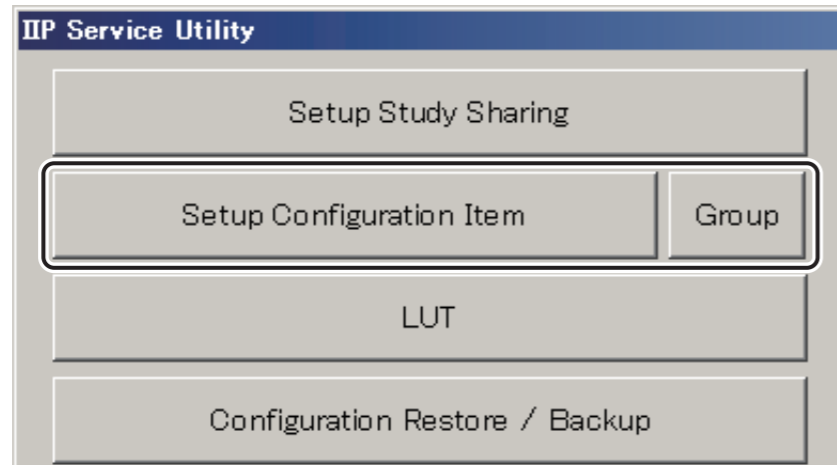
→ The Service Utility starts and the “IIP Service Utility” window opens.



DXCL100810002.ai

2.1.2 Setup for the Study Modality

1. Click [Setup Configuration Item] of the “IIP Service Utility” window.



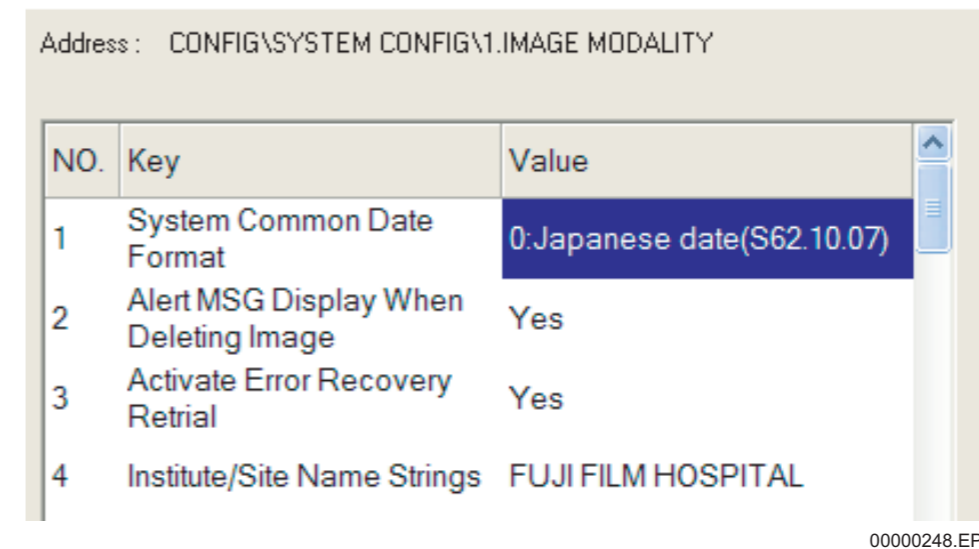
→ The “Setup Configuration Item” window opens.



2. Click the mark within the SYSTEM CONFIG field on the “Setup Configuration Item” window.

3. Click 1.IMAGE MODALITY

→ Information on the setup data for the DR-ID 800CL system appears on the right-side of the window.



4. Set “1:CR” for .

◆ NOTE ◆

If this item is set to “0: DX”, the CR Storage Service Class would not be used.

5. Select “Save” from the “Config” menu.

→ A window opens, prompting you to confirm the setup data to be saved.

6. Click .

→The system saves the setup data.

2.1.3 Setup of Information on This Equipment for the DICOM CR Storage Function

Make settings for the following information items of this equipment.

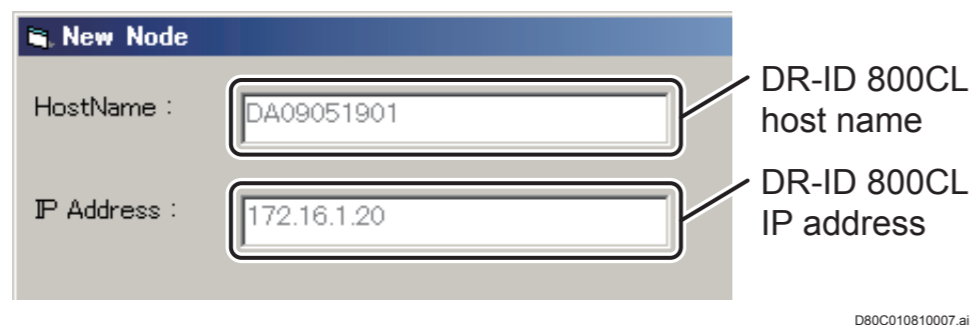
- Host name and IP address of this equipment
- AE name (Application Entity Name) of this equipment
- Service Class, Role, Transfer Syntax, device attribute (Attribute)
- Other (timeout settings, etc.)

1. Click the  mark within the  field on the “Setup Configuration Item” window.

2. Select  and click .

→ The “New Node” window opens.

3. Make sure that the DR-ID 800CL host name and IP address are displayed.



The "New Node" dialog box contains two input fields. The first field is labeled "HostName :" and contains the text "DA09051901". The second field is labeled "IP Address :" and contains the text "172.16.1.20".

DR-ID 800CL host name

DR-ID 800CL IP address

D80C010810007.ai

◆ NOTE ◆

The IP address will not be displayed properly unless the DR-ID 800CL is connected to a network.

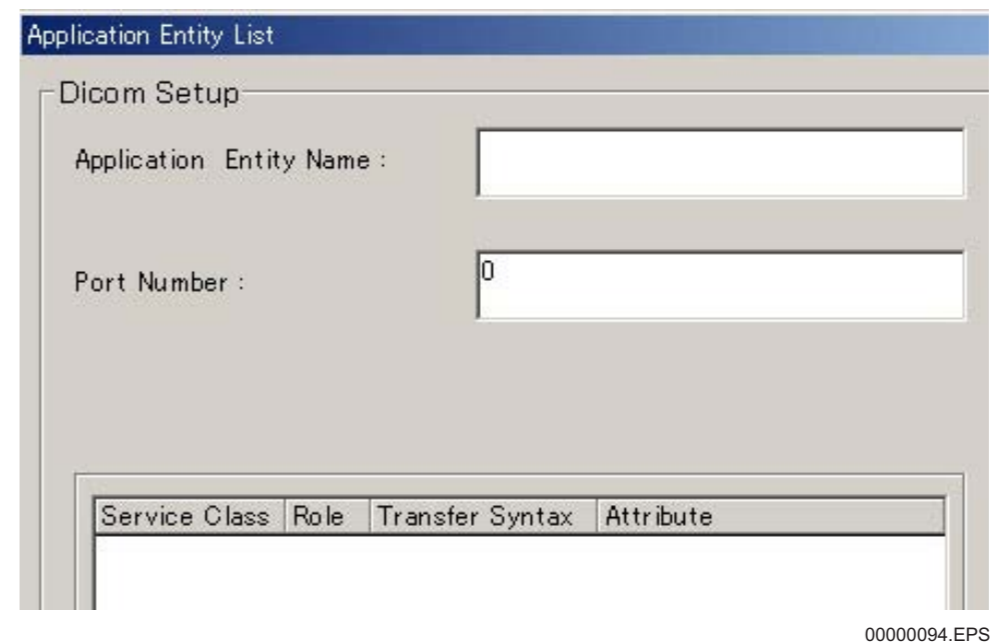
4. Make sure that “DICOM” is selected and click .



The "Add Node" dialog box shows four radio button options: "FRUP", "DICOM", "MPC", and "PCU/GIF". The "DICOM" option is selected and highlighted with a rounded rectangle.


0000093.ai

→ The “Application Entity List” window opens.



The "Application Entity List" dialog box has a "Dicom Setup" section with two input fields: "Application Entity Name :" and "Port Number :". The "Port Number" field contains the value "0". Below these fields is a table with columns for "Service Class", "Role", "Transfer Syntax", and "Attribute".

0000094.EPS

5. Enter the AE name that is the SCU for the DR-ID 800CL (e.g.: “CL-SCU”) in the  field.

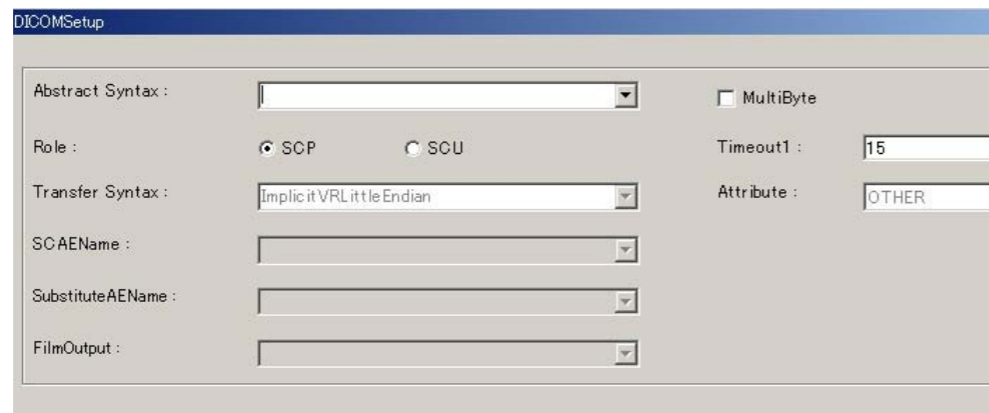
◆ NOTE ◆

There is no need to set the port number in .

When selecting SCU as the Role, the set port number will be disregarded even if it is set.

6. Click .

→ The “DICOMSetup” window opens.




00000443.EPS

7. Click downward arrow  in the **Abstract Syntax :**  field to select a **Service Class (e.g.: “CR Image Storage”)**.

- CR Image Storage
- Private CR Storage

➔ **REFERENCE**



- If “CR Image Storage” or “Private CR Storage” is selected, items that need not be set will be hidden on the “DICOM Setup” window.
- “Verification” is the Service Class used to verify connection between DICOM equipment units. For verifying connection, “Verification” must be selected.

 **For details of verification of connection, see “7. Verifying the Connection to Other Connected Equipment –Verify Connection” in “MU: Maintenance Utility”.**

8. To set up the AE that is the User, select  **SCU (SCU)** for the Role.

➔ **REFERENCE**

- If “SCU” is selected, items that need not be set will be hidden on the “DICOM Setup” window.
- For DICOM SCU settings on this equipment (THIS HOST (IIP)), two or more Service Class settings (e.g., CR Image Storage, DICOM Print, and other) can be selected for a single Application Entity. Moreover, two or more Transfer Syntax settings (e.g., JPEGLossless, ImplicitVRLittleEndian, and other) can be selected for a single Service Class.

9. Click downward arrow  in the **Transfer Syntax :**  field to select the **Transfer Syntax (e.g.: “ImplicitVRLittleEndian”)**.

Service Class	Transfer Syntax Supported (Selected)		
	ImplicitVR LittleEndian	ExplicitVR LittleEndian	JPEG Lossless
CR Image Storage	○	○	○
Private CR Storage	○	○	○
Verification	○	×	×

◆ **NOTE** ◆

When the DICOM QR function is used, an error may result if ImplicitVRLittleEndian is set up. For this reason, make sure to set up ExplicitVRLittleEndian or JPEGLossless.

10. Set the DICOM inter-message timeout value

Timeout1 : as necessary.

➔ REFERENCE

It is not necessary to check MultiByte .
Even if checked, it will be disregarded if the Role set in step 9.
above is the SCU.

11. Click downward arrow in the Attribute : field to select "OTHER" for the device attribute.

◆ NOTE ◆

To set the SCU AE on the DR-ID 800CL, select "OTHER" for the device attribute for the time being.

12. Click .

➔ The system returns to the "Application Entity List" window.

13. Click .

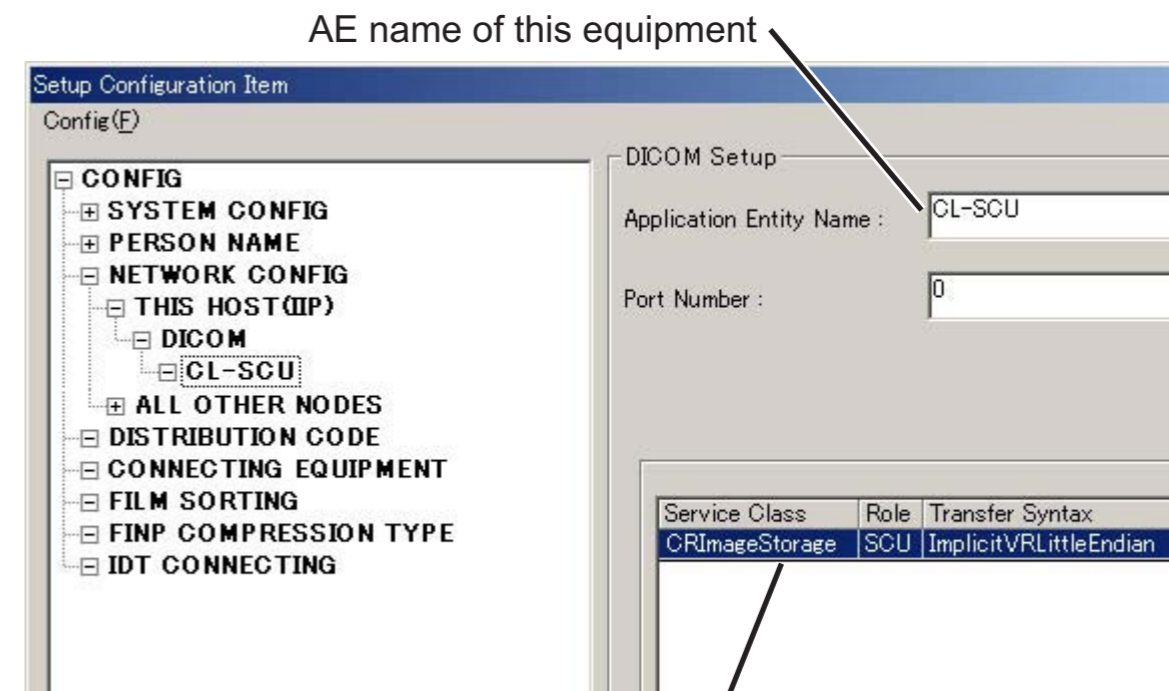
➔ The system returns to the "Setup Configuration Item" window.

➔ REFERENCE

• Items just have been set will appear on the right-side area of the "Setup Configuration Item" window. A displayed item can be changed. Whenever it is changed, never fail to click



• If the key is clicked, currently selected items are deleted.



Service Class, Role, Transfer Syntax and device attribute (Attribute)

00000096.EPS

14. Select "Save" from the "Config" menu.

➔ A window opens, prompting you to confirm the setup data to be saved.

15. Click .

➔The system saves the setup data.

2.1.4 Registration of Information on Other Connected Equipment for the DICOM CR Storage Function

Register the following information items of other connected equipment.

- Host name and IP address of other connected equipment
- AE name (Application Entity Name) and port number of other connected equipment
- Service Class, Role, Transfer Syntax, device attribute (Attribute)
- Setups for gradation correction
- Other (usage of two-byte characters, annotation character setting, etc.)

1. Select **ALL OTHER NODES** of the “Setup Configuration Item” window and click **New**.

→ The “New Node” window opens.

2. Make the following settings.

- Enter the Host name (e.g.: “Other01”) in the **Host Name :** field.
- Enter the IP address (e.g.: “172.16.1.30”) in the **IP Address :** field.
- Select “DICOM”.

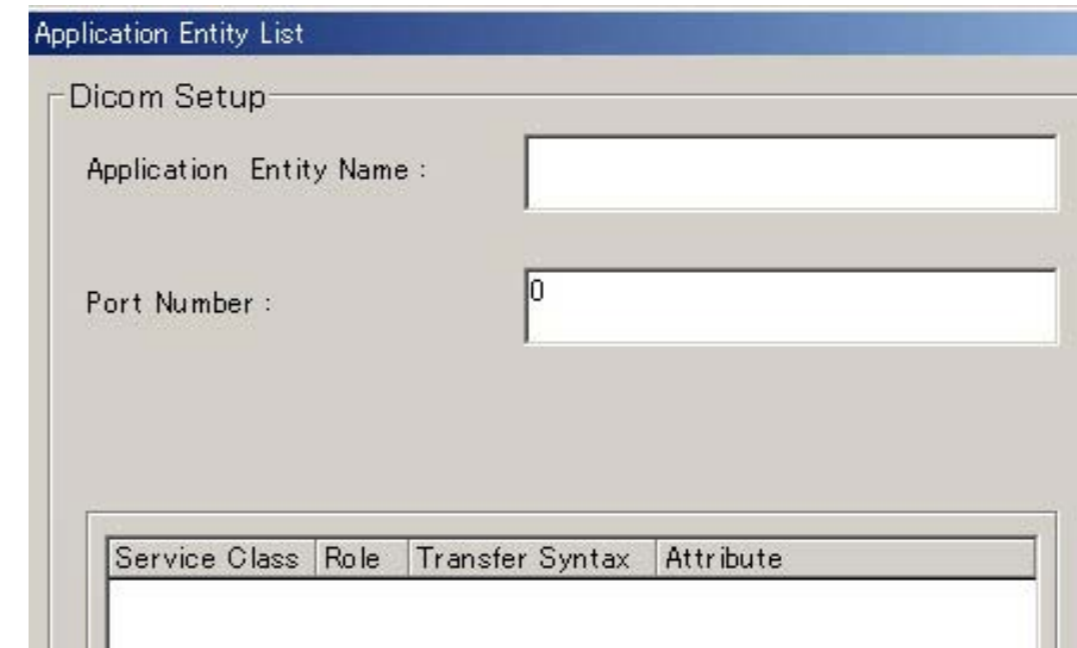


Select “DICOM”.

00000097.ai

3. Click **OK**.

→ The “Application Entity List” window opens for setup of information on other connected equipment.



00000098.EPS

4. Make the following settings.

- Enter the AE name of other connected equipment (e.g.: “Other01-SCP”) in the **Application Entity Name :** field.

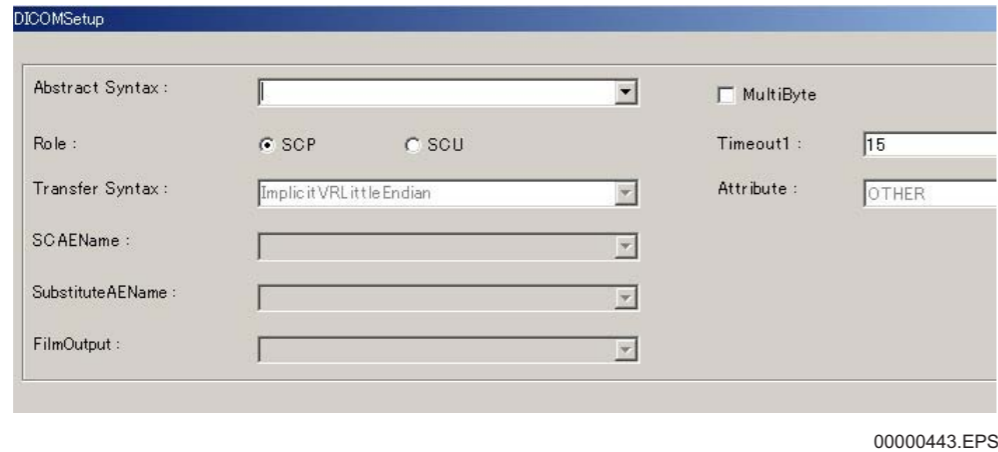
◆ NOTE ◆

- Never fail to enter the SCP AE name.
- Be sure to enter the upper- or lower-case characters correctly.

- Enter the Port number of other connected equipment (e.g.: “5001”) in the **Port Number :** field.

5. Click .

→ The “DICOMSetup” window opens.



00000443.EPS

6. Click downward arrow mark  in the **Abstract Syntax :**  field to select a **Service Class (e.g.: “CR Image Storage”)**.

- CR Image Storage
- Private CR Storage

◆ **NOTE** ◆

Do not select two or more Service Class settings for a single Application Entity (e.g., CR Image Storage and Private CR Storage). Further, do not select two or more Transfer Syntax settings for a single Service Class (e.g., JPEG Lossless and Implicit VR Little Endian).



Even if you select two or more settings, only the first one takes effect.

Also, an error will occur in distribution setting for QA.

➔ **REFERENCE**

If “CR Image Storage” is selected, items that need not be set will be hidden on the “DICOM Setup” window.

7. Because the AE of other connected equipment is the Provider, make sure that **SCP (SCP)** is selected for the Role.

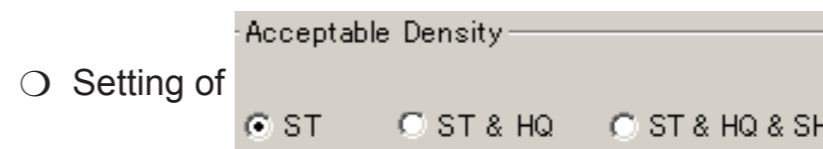
8. Click downward arrow  in the **Transfer Syntax :**  field to select **Transfer Syntax (e.g.: “ImplicitVRLittleEndian”)**.

Service Class	Transfer Syntax Supported (Selected)		
	ImplicitVR LittleEndian	ExplicitVR LittleEndian	JPEG Lossless
CR Image Storage	○	○	○
Private CR Storage	○	○	○
Verification	○	×	×

◆ **NOTE** ◆

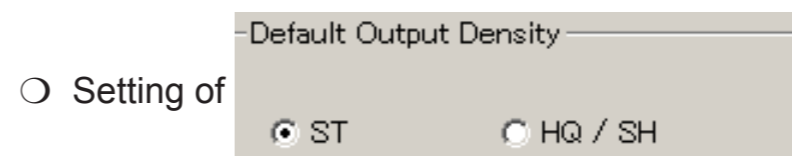
- *Be sure to select a Transfer Syntax selected for this equipment.*
- *When the DICOM QR function is used, an error may result if ImplicitVRLittleEndian is set up. For this reason, make sure to set up ExplicitVRLittleEndian or JPEGLossless.*

9. Change the following settings as required.



- Setting of **ST :** Select if other connected equipment cannot receive HQ images.
- Setting of **ST & HQ :** Select if other connected equipment can receive HQ images. (Basically select this setting.)
- Setting of **ST & HQ & SH :** Select if other connected equipment can receive 20 lines/mm images.

10. Make the following setting as required.



- Setting of **ST :** Select when transferring standard images.
- Setting of **HQ/SH :** Select when transferring HQ images or 20 lines/mm images.

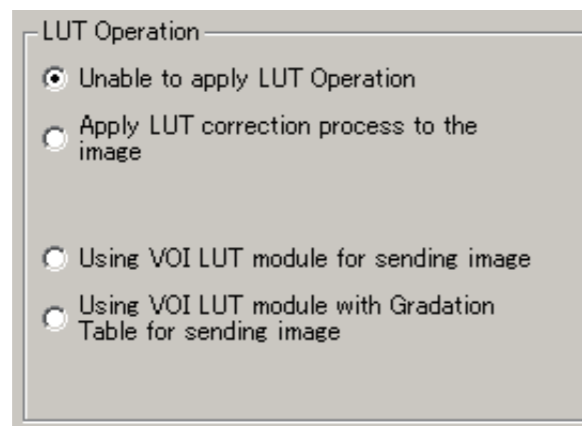
11. To handle two-byte characters, check the MultiByte box (to).

➔ **REFERENCE**

Timeout1 : needs not be checked. Even if checked, it will be disregarded.

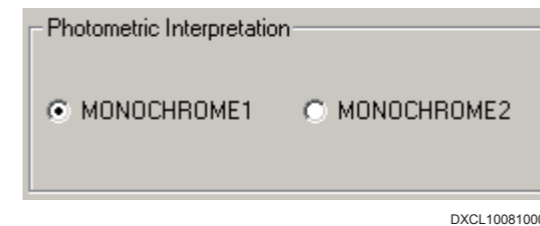
12. Click downward arrow in the Attribute : field to and select "FILE" .

13. Make setups for gradation correction as required.



 For setup details, see "2.1.9 Display Gradation Correction Setup".

14. For V7.3 or later, perform the following setting as required.



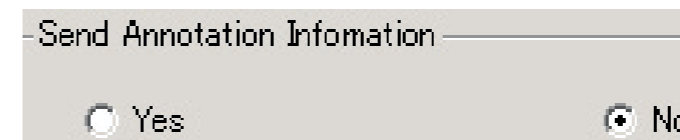
MONOCHROME1 : Select when setting the minimum pixel value to white and the maximum pixel value to black.

MONOCHROME2 : Select when setting the minimum pixel value to black and the maximum pixel value to white.

◆ **NOTE** ◆

- *Photometric Interpretation can be selected only when the following settings are performed.*
Abstract Syntax : CR Image Storage
LUT Operation : "Unable to apply LUT Operation" or "Apply LUT correction process to the image"
- *Do not send the images outputted by specifying MONOCHROME2 to T-SUB677.*

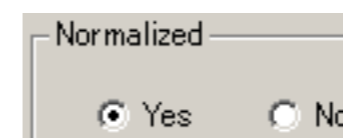
15. Change the following setting as required.



Yes : To transfer annotation-embedded images.

No : To transfer images not embedded with annotation.

16. Perform the following setting as required.



Yes : Perform the standardization process using the window conditions.

No : Do not perform the standardization process using the window conditions.

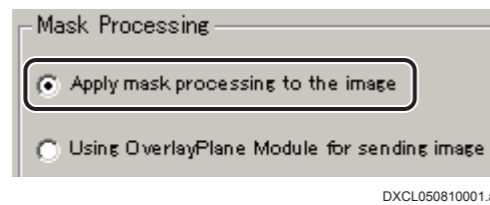
- 17. If “Yes” is selected in step 16, specify the gradation bit number in the standardization process.**



A screenshot of a software interface showing a dropdown menu labeled 'Bit Stored'. The value '10' is selected and displayed in the dropdown box.

- 10 : Select to perform the standardization process in 10 bit.
- 12 : Select to perform the standardization process in 12 bit.

- 18. Select “Apply mask processing to the image” in the “Mask Processing”.**



A screenshot of a dialog box titled 'Mask Processing'. It contains two radio button options. The first option, 'Apply mask processing to the image', is selected. The second option is 'Using OverlayPlane Module for sending image'. The file path 'DXCL050810001.ai' is visible at the bottom of the dialog.

- 19. Click .**

→ The system returns to the “Application Entity List” window.

- 20. Click .**

→ The system returns to the “Setup Configuration Item” window.

- 21. Select “Save” from the “Config” menu.**

→ A window opens, prompting you to confirm the setup data to be saved.

- 22. Click .**


→ The system saves the setup data.


2.1.5 Settings of Automatic Image Distribution (DISTRIBUTION CODE)

For an automatic image distribution to equipment of FILE attribute, set up DISTRIBUTION CODE.

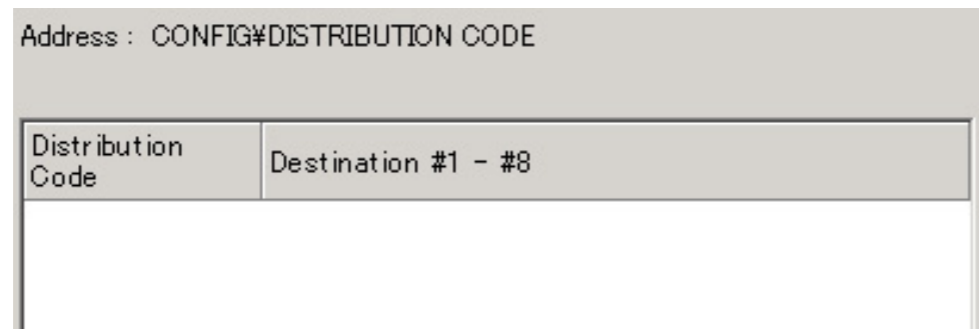
◆ NOTE ◆

For an automatic image distribution processing, be sure to change to “Yes” ahead of time the setting (item 3 of “SYSTEM CONFIG” → “5.CSL/IDT FUNCTION”) under “Enable Distribution Code Setup” of the Service Utility function.

 For an automatic distribution to equipment of FILE attribute (OD_FILE attribute in V4.0 or earlier), perform the procedure described in “2.1.6 Setup for CONNECTING EQUIPMENT”.

1. Click  of the “Setup Configuration Item” window.

→ A list of destination equipment for automatic image distribution appears on the right-side area of the window.



Distribution Code	Destination #1 - #8
-------------------	---------------------

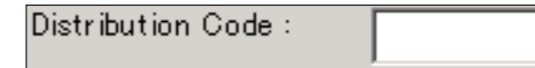
00000247.EPS

2. Click .


→ The “Distribution Code” window opens.

3. Make the following settings.

- Enter an 8-digit distribution code (e.g.: 12345678) in



Distribution Code :

- Click downward arrow  of Destination node #1 : to select equipment’s AE name (e.g.: “Other01-SCP”).

4. Click .

→ The system returns to the “Setup Configuration Item” window.

5. Select “Save” from the “Config” menu.


→ A window opens, prompting you to confirm the setup data to be saved.

6. Click .

→ The system saves the setup data.

2.1.6 Setup for CONNECTING EQUIPMENT

To automatically transfer images to the FILE, set up CONNECTING EQUIPMENT as directed below.

1. Click  on the “Setup Configuration Item” window.



→ A list of registered equipment units appears on the right side of the window.

2. Click .

→ The “CONNECTING EQUIPMENT” window opens.

3. Make the following settings.

Click the downward arrow  within **Function :**  and select “FILE” .

Click the downward arrow  within **Equipment #1 :**  and select equipment's AE name.

4. Click .

→ You are returned to the “Setup Configuration Item” window.

5. Select “Save” from the “Config” menu.

→ A window opens prompting you to confirm the setup data.



6. Click .

→ The setup data will then be saved.

2.1.7 Settings for UID Issuance

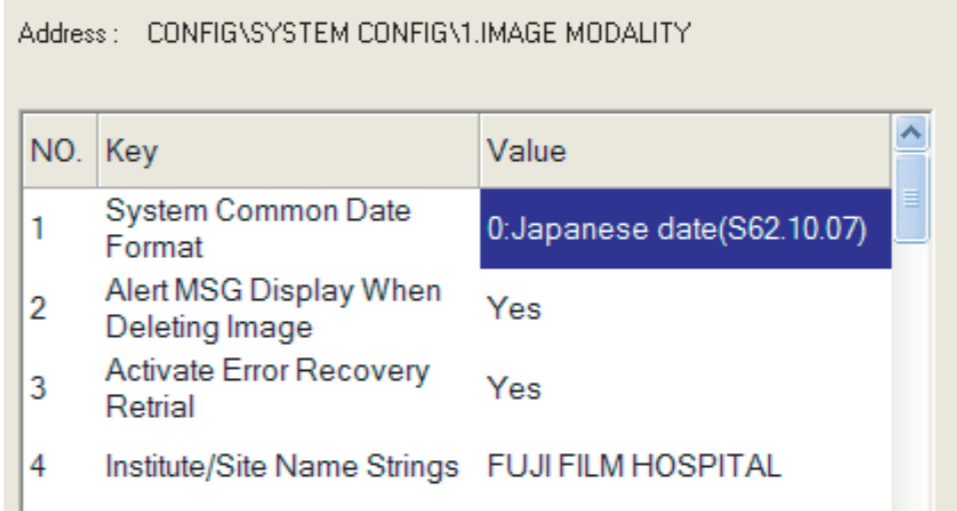
Use the procedure below if the UID issuance method needs to be changed depending on the specifications of other connected equipment which the image is transferred to.

For default settings, see Table: List of UID settings.

1. Click the  mark of  of the “Setup Configuration Item” window.

2. Click .

→ The content of the setup items for the DR-ID 800CL system information appears on the right-side area of the window.




Address : CONFIG\SYSTEM CONFIG\1.IMAGE MODALITY

NO.	Key	Value
1	System Common Date Format	0:Japanese date(S62.10.07)
2	Alert MSG Display When Deleting Image	Yes
3	Activate Error Recovery Retrial	Yes
4	Institute/Site Name Strings	FUJI FILM HOSPITAL

00000248.EPS

3. Make configuration settings as follows for UID issuance.

Table List of UID settings (IMAGE MODALITY)

No	Name	Selection	Meaning
9	UID Issuance after Modifying ID Information	<input type="radio"/> YES Issues a new UID. <input checked="" type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when any ID information is modified on the DR-ID 800CL.
10	UID Issuance after Modifying Normalized Parameter	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when image normalization conditions are modified on the DR-ID 800CL.
11	UID Issuance after Modifying Image Processing Parameter	<input type="radio"/> YES Issues a new UID. <input checked="" type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when image processing conditions are modified on the DR-ID 800CL.
12	UID Issuance Before Sending Processed Data	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Specifying whether or not to output an SOP Instance UID as the processed CR image UID when generating processed image output on the DR-ID 800CL.
13	DICOM Series Generation Logic	<input checked="" type="radio"/> 0: 1 Study - N series and 1 Series - 1 image Issues a number so that it has multiple series for one study and only one image for one series. <input type="radio"/> 0: 1 Study - N series and 1 Series - M image Issues a number so that it has multiple series for one study and multiple images for one series. <input type="radio"/> 0: 1 Study - 1 series and 1 Series - N image Issues a number so that it has only one series for one study and multiple images for one series.	Setup of Series Instance UID issuance logic.  See “3.4 Configuration Details – 1. IMAGE MODALITY” under “MU: Maintenance Utility”.

: Default setting

No	Name	Selection	Meaning
39	UID Issuance about a function (except Image Processing) to change to the image themselves	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when the shuttering processing condition is modified on the DR-ID 800CL.
45	UID Issuance after Modifying Trimming Parameter	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when trimming information is modified.
46	UID Issuance after Modifying FNC Parameter	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when an FNC parameter is modified.
57	UID Issuance after Modifying CRF Parameter	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Whether or not to issue an image UID and SOPInstanceUID when the CRF parameter (sharpness processing parameter) is modified.

: Default setting

4. Select “Save” from the “Config” menu.

→ A window opens, prompting you to confirm the setup data to be saved.

5. Click .

→ The system saves the setup data.

2.1.8 Changing the Name Elements

 **See “3.11 Setting the Name Elements for DICOM Connection” under “MU: Maintenance Utility”.**

2.1.9 Display Gradation Correction Setup

The display gradation correction setup procedure is performed to provide images with reasonable appearance when they are displayed on the DICOM viewer. The data entered by performing this procedure works when the DR-ID 800CL transmits images to the DICOM viewer.

This section explains about the LUT file handling and Service Utility setup procedures to be performed for gradation correction purposes.

■ Handling the LUT file

As PL_LL has been already corrected, the LUT correction is not required.

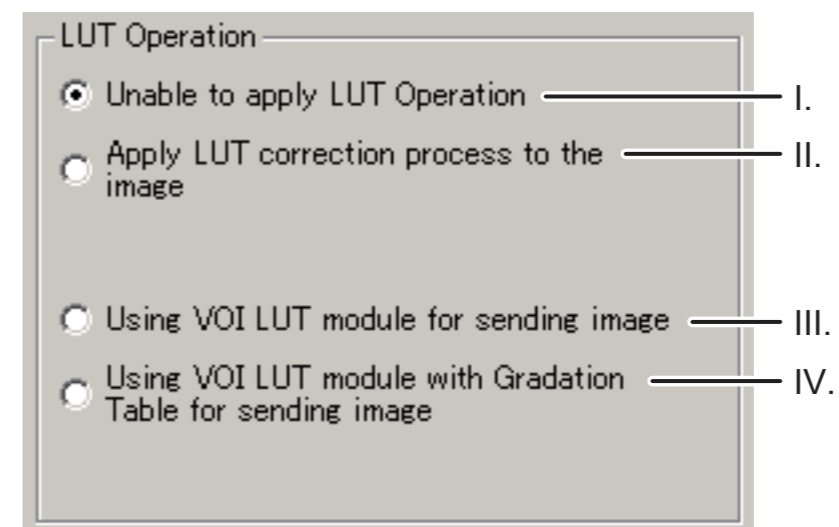
■ Setup procedure

With the Service Utility, perform gradation correction setup as directed below.

1. Start the Service Utility mode and open the gradation correction setup window (LUT Operation).

 For the procedure for opening the setup window, see [“2.1.4 Registration of Information on Other Connected Equipment for the DICOM CR Storage Function”](#).

2. In the setup window (LUT Operation area for DICOM Setup), select a LUT transmission type.



D80C010810004.ai


- I. Choose this option when outgoing images are not to be subjected to gradation correction.
- II. Choose this option when outgoing images are to be subjected to gradation correction (inverse transform LUT process) and transmitted as DICOM-processed images.
- III. Choose this option when DICOM tag information (VOILUT module/0028,3010) is to be added to outgoing images so that they are subjected to gradation correction (inverse transform LUT process) at the connected equipment.
- IV. Choose this option when DICOM tag information (VOILUT module/0028,3010) is to be added to outgoing images so that they are subjected to gradation correction at the connected equipment. The sending LUT used for this purpose is the one that includes gradation processing data. This option can be selected only for handling of processed images.

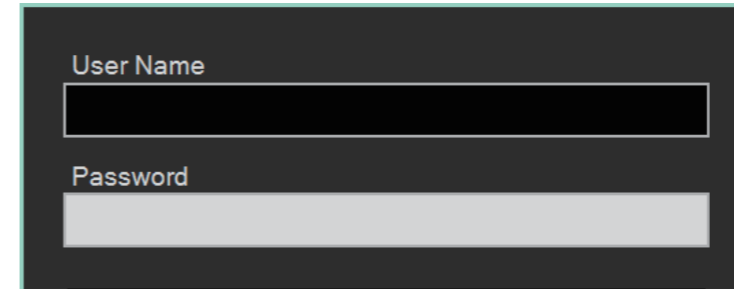
3. Save the setup data.

2.1.10 Service Utility Shutdown

1. Select “Close” from the “Config” menu.
→ The system returns to the “IIP Service Utility” window.
2. Click [Exit Service Utility].
→ The system returns to the desktop screen.

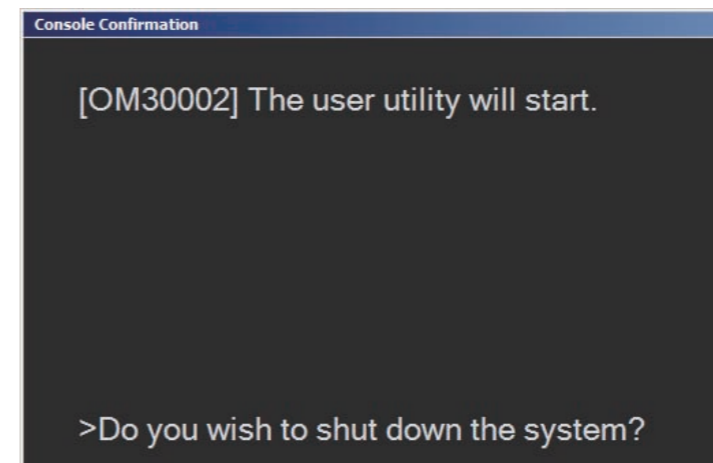
2.1.11 Setup for the Timing of the Image Distribution (V7.3 or Later)

1. From the  menu, sequentially select “All Programs”, “Fuji Film” and “ConsoleAdvance”.
→ The Log-in window for DR-ID 800CL-AP opens.



D80C0304B005.ai

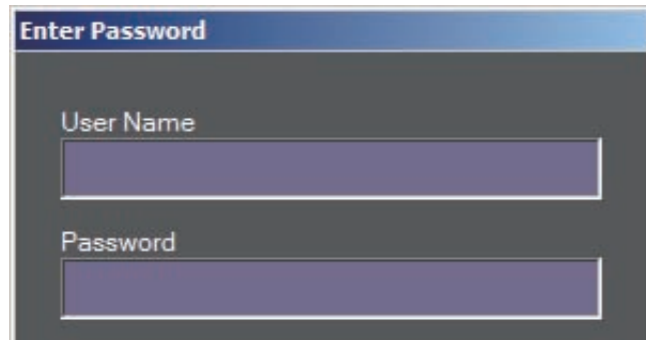
2. Click [User Utility].
→ The “Console Confirmation” window opens.



D80C0304B004.ai

3. Click [OK].

→ The “Enter Password” window opens.



D80C0304B006.ai

4. Enter the following.

User name : FFService

Password : fieldengineer

5. Click [OK].

→ The “Main Menu” window opens.



DXCL10040B003.ai

6. Click [Property Setting].

→ The “Property Setting” window opens.

7. Select “Distribution Setting” tab.

8. Set the “Image-based Distribution Setting” column and “Study-based Distribution Setting” column as required.

Item	Print output	Storage output
Image-based Distribution Setting	<input checked="" type="radio"/> Distribute automatically at each reading <input type="radio"/> Distribute the selected images <input type="radio"/> Do not distribute by the image	<input checked="" type="radio"/> Distribute automatically at each reading <input type="radio"/> Distribute the selected images <input type="radio"/> Do not distribute by the image
Study-based Distribution Setting	<input checked="" type="radio"/> Distribute automatically after the study completion <input type="radio"/> Distribute automatically after the QA completion	<input type="radio"/> Distribute automatically after the study completion <input checked="" type="radio"/> Distribute automatically after the QA completion

⊙: Default setting at factory shipment


◆ NOTE ◆

• To display “temporarily stopping button”, which is for temporarily stopping and resuming auto distribution at each image reading, perform the setup at “Image-based Distribution Setting” so that the combinations are as follows.

Item	Print output	Storage output
Image-based Distribution Setting	Distribute automatically at each reading	Distribute automatically at each reading
	Distribute automatically at each reading	Do not distribute by the image
	Do not distribute by the image	Distribute automatically at each reading

• To display “separately distributing button”, which is for separately distributing only the selected image, perform the setup at “Image-based Distribution Setting” so that the combinations are as follows.

Item	Print output	Storage output
Image-based Distribution Setting	Distribute the selected images	Distribute automatically at each reading
	Distribute automatically at each reading	Do not distribute by the image
	Do not distribute by the image	Distribute automatically at each reading

-
- 9.** Click [OK].
→ The system returns to the “Main Menu” window.
 - 10.** Click [Terminate].
→ The system returns to the Log-in window for DR-ID 800CL-AP.
 - 11.** Click [Shutdown].
→ The exit window opens.
 - 12.** Click  while holding down the <Shift> key.
→ The system returns to the desktop screen.

2.2 Software Setup on Other Connected Equipment

Set up DICOM CR Storage in accordance with the software specifications of other connected equipment so that it can receive images from the DR-ID 800CL.

3. Connection Checkout

After the DR-ID 800CL-AP is started, make sure that images can be transferred from the DR-ID 800CL to other connected equipment.

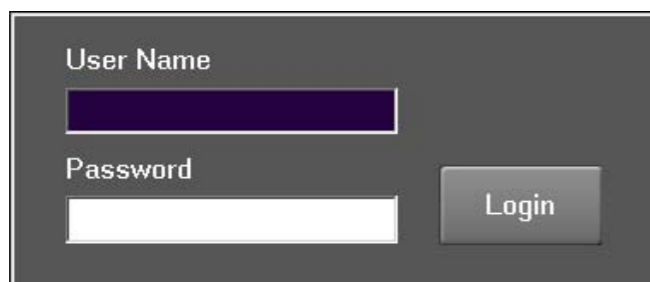
3.1 DR-ID 800CL-AP Startup

3.2 Image Transfer to Other Connected Equipment

3.1 DR-ID 800CL-AP Startup

1. From the  menu, sequentially select “All Programs”, “Fuji Film” and “ConsoleAdvance”.

→ The Log-in window opens.



CLP74010.EPS

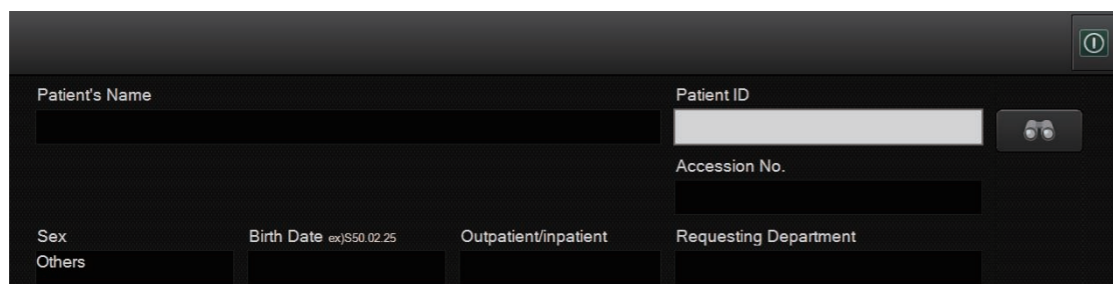
2. Enter the following.

User name : 11111 (default)

Password : 11111 (default)

3. Click [Login].

→ The DR-ID 800CL-AP starts up.



DXL08030002.ai

3.2 Image Transfer to Other Connected Equipment

Transfer images accumulated in the DR-ID 800CL to other connected equipment.

1. Select an image for transfer, then transfer it to other connected equipment.

 For details of the image transfer procedures, see the DR-ID 800CL Operation Manual.

2. Make sure that the image has actually been transferred to other connected equipment.


 For details of the transferred image checking procedures, see the operation manual attached to each equipment.

4. Setup File Backup

Back up the DR-ID 800CL setup file.

Have the following item ready for use for file backup:

- Storage media (FD, USB memory stick or the like)

 For details on the backup procedure, see [“5. Restoring/Backing Up the Configuration File – Configuration Restore/Backup”](#) under [“MU: Maintenance Utility”](#).

BLANK PAGE

BLANK PAGE

Appendix 11 DICOM DX Storage

Described herein is the procedure for transferring processed images (Standard Image) from the DR-ID 800CL to other connected equipment using the DICOM DX Storage Standard function.

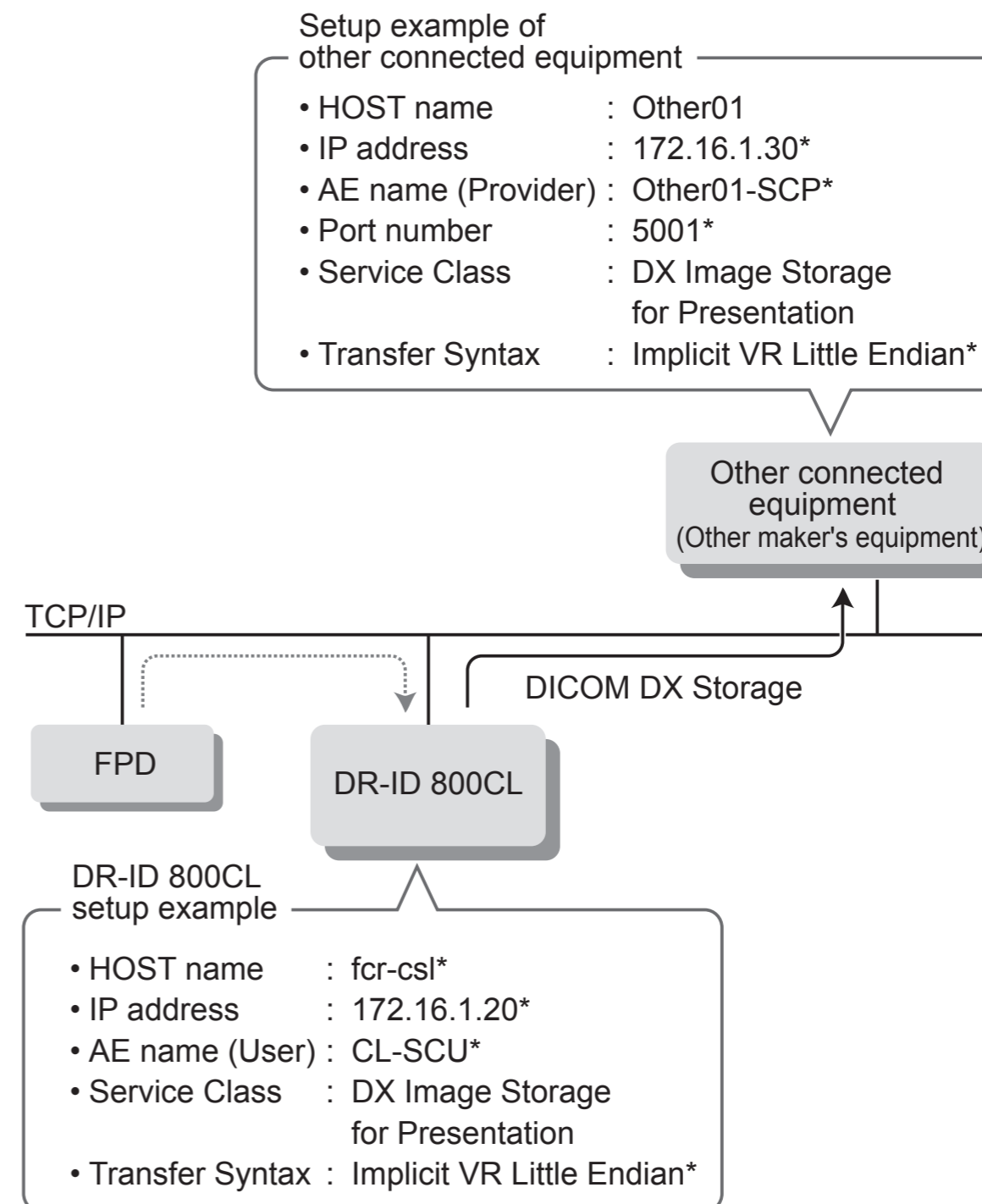
◆ NOTE ◆

An equipment unit to which images are transferred is referred to hereinafter simply as "other connected equipment".

■ Prior to setup

- DR-ID 800CL requirements
 - The DR-ID 800CL main unit must have been set up accordingly.
- Requirements of other connected equipment
 - Other connected equipment must have been set up accordingly.
 - The DICOM DX Storage (SCP) Service Class must be supported.
 - Connection to the DR-ID 800CL must be established and confirmed properly.
Equipment of confirmed connectivity: Synapse V3.1.0 or later

■ Connection/setup example



Items marked with "*" constitute setup examples, which need be changed depending on the equipment or network environment.

D80C010811002.ai

■ Overall operation flow

Use a network cable to connect the DR-ID 800CL to other connected equipment.

☞ “1. Hardware Setup”

Make setups for inputting/outputting images via DICOM.

- Setup of information (AE name, device attribute, Service Class, etc.) on this equipment
- Registration of information (AE name, device attribute, port number, Service Class, handling of HQ images, etc.) on other connected equipment

Make the following setups as required.

- Setup for automatic image distribution code
- Setup for CONNECTING EQUIPMENT
- Setup for UID issuance
- Setup for name elements
- Setup for the timing of the image distribution (V7.3 or later)

☞ “2. Software Setup”

Make sure that images can be transferred from the DR-ID 800CL to other connected equipment.

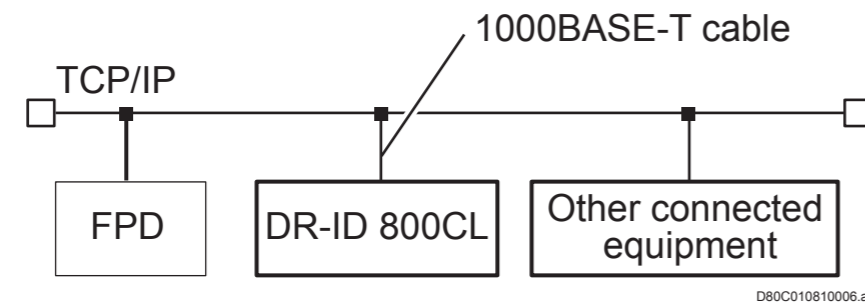
☞ “3. Connection Checkout”

Back up the configuration file.

☞ “4. Setup File Backup”

1. Hardware Setup

Connect the DR-ID 800CL to other connected equipment via network as illustrated below.



◆ NOTE ◆

- Do not connect the telephone line to the network connectors of the DR-ID 800CL and other connected equipment.
- The cable type applicable to the DR-ID 800CL is the IEC950/UL1950-compliant UTP cable of enhanced category 5 or higher.

2. Software Setup

Set up software for the DR-ID 800CL and other connected equipment. Set up the items shown in gray as required. Be sure to set up all other items.

- 2.1 DR-ID 800CL Software Setup
 - 2.1.1 Starting the Service Utility
 - 2.1.2 Setup for the Study Modality
 - 2.1.3 Setup of Information on This Equipment for the DICOM DX Storage Function
 - 2.1.4 Registration of Information on Other Connected Equipment for the DICOM DX Storage Function
 - 2.1.5 Settings of Automatic Image Distribution (DISTRIBUTION CODE)
 - 2.1.6 Setup for CONNECTING EQUIPMENT
 - 2.1.7 Settings for UID Issuance
 - 2.1.8 Changing the Name Elements
 - 2.1.9 Display Gradation Correction Setup
 - 2.1.10 Service Utility Shutdown
 - 2.1.11 Setup for the Timing of the Image Distribution (V7.3 or Later)

Tasks done on the DR-ID 800CL

- 2.2 Software Setup on Other Connected Equipment

Tasks done on other connected equipment

2.1 DR-ID 800CL Software Setup

2.1.1 Starting the Service Utility

1. Turn ON the power of the DR system on the Mobile X-ray Unit.

→ Windows starts up and then the DR-ID 800CL-AP starts running in about one minute.

➔ REFERENCE

If the AP or Windows is already running, start the Service Utility as directed under REFERENCE in step 2. below.

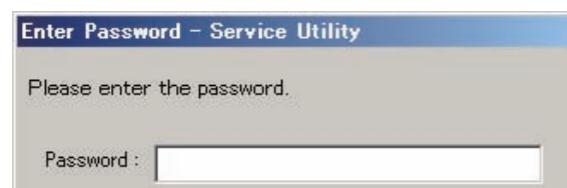
2. Within a period of 3 seconds after the initial window opens, sequentially click the upper left and upper right corners of the window.

Click the upper left corner and then the upper right corner.



DXL03100001.ai


→ The “Enter Password” window opens.



DXL41001.ai

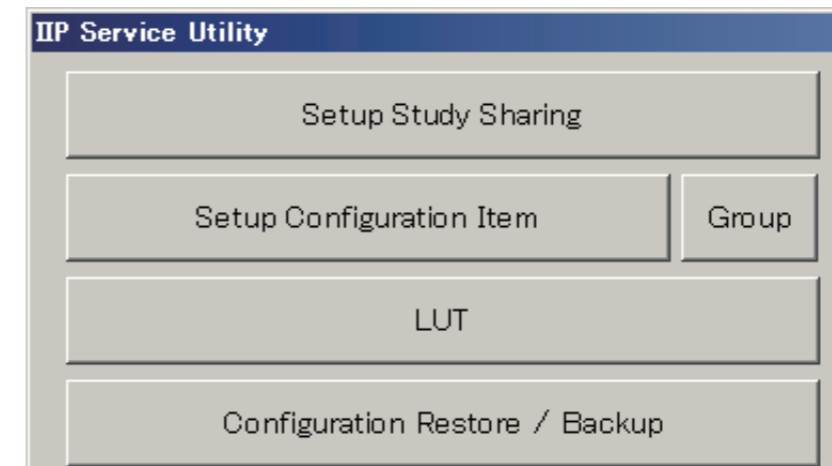
➔ REFERENCE

If you cannot complete step 2. from the initial window within a 3-second period and allow the AP to start up, perform the following steps to start the Service Utility.

1. To exit the AP, choose “Shut Down” in the  menu .
2. Click [OK] while holding down the <Shift> key on the shutdown window.
3. From the “Start” menu, sequentially choose “All Programs”, “Fuji Film”, and “Console Advance”.
4. When the initial window opens, sequentially click its upper left and upper right corners within a period of 3 seconds.

3. Enter a password (“fieldengineer”) to log in to the Service Utility and click  .

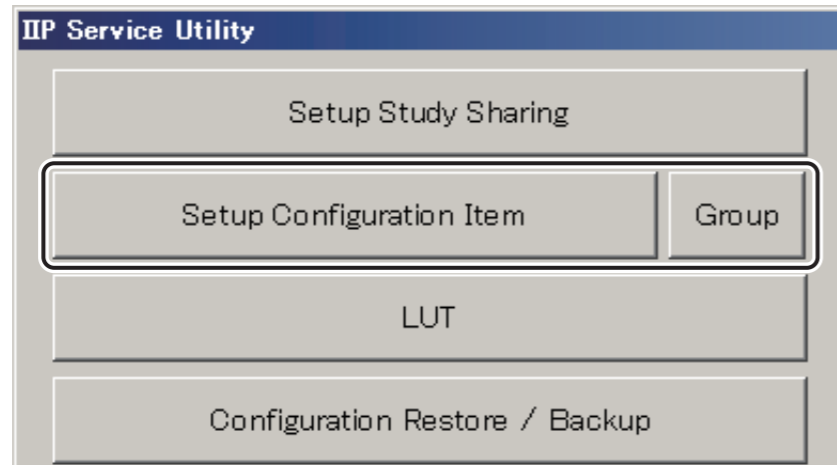
→ The Service Utility starts and the “IIP Service Utility” window opens.



DXCL100810002.ai

2.1.2 Setup for the Study Modality

1. Click [Setup Configuration Item] of the “IIP Service Utility” window.



DXCL100810003.ai

→ The “Setup Configuration Item” window opens.

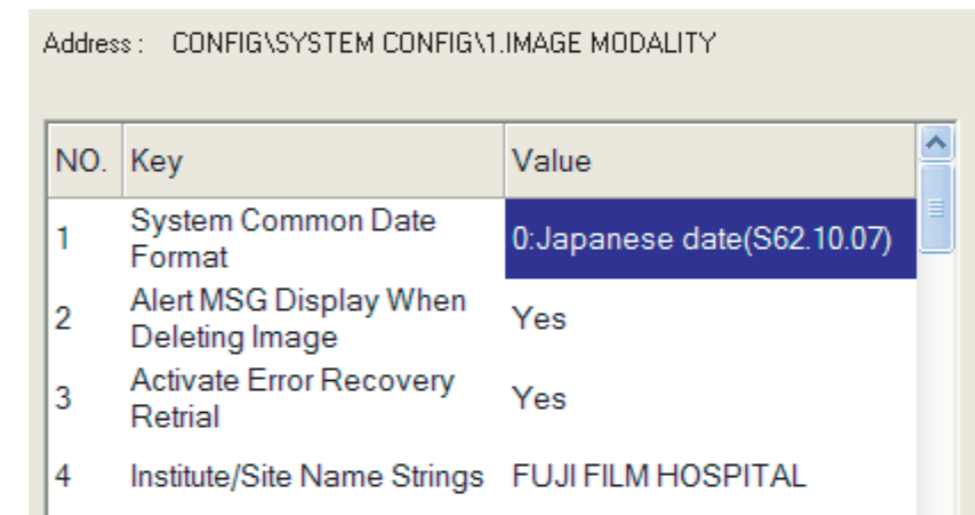


00000091.EPS

2. Click the mark within the SYSTEM CONFIG field on the “Setup Configuration Item” window.

3. Click 1.IMAGE MODALITY

→ Information on the setup data for the DR-ID 800CL system appears on the right-side of the window.



00000248.EPS

4. Set “0:MG” for 35 Modality Setup for Mammography Image

5. Set “0:DX” for 54 Modality Setup

◆ NOTE ◆

If this item is set to “1: CR”, the DX Storage Service Class would not be used.

6. Select “Save” from the “Config” menu.

→ A window opens, prompting you to confirm the setup data to be saved.

7. Click .

→The system saves the setup data.

2.1.3 Setup of Information on This Equipment for the DICOM DX Storage Function

Make settings for the following information items of this equipment.

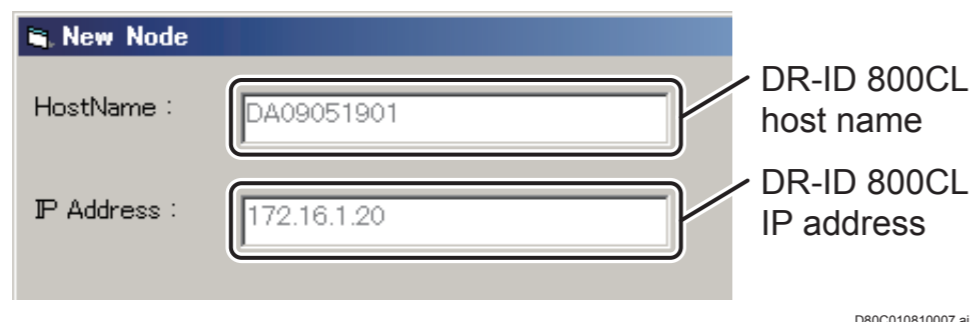
- Host name and IP address of this equipment
- AE name (Application Entity Name) of this equipment
- Service Class, Role, Transfer Syntax, device attribute (Attribute)
- Other (timeout settings, etc.)

1. Click the  mark within the  field on the “Setup Configuration Item” window.

2. Select  and click .

→ The “New Node” window opens.

3. Make sure that the DR-ID 800CL host name and IP address are displayed.



The "New Node" dialog box contains two input fields. The first field is labeled "HostName :" and contains the text "DA09051901". The second field is labeled "IP Address :" and contains the text "172.16.1.20".

DR-ID 800CL host name

DR-ID 800CL IP address

D80C010810007.ai

◆ NOTE ◆

The IP address will not be displayed properly unless the DR-ID 800CL is connected to a network.

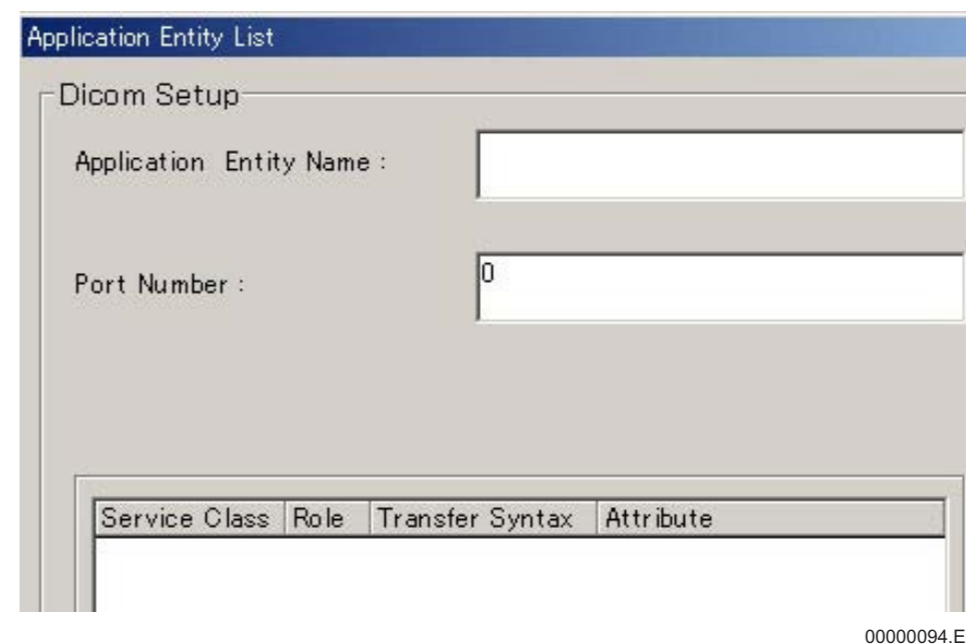
4. Make sure that “DICOM” is selected and click .



The "Add Node" dialog box shows four radio button options: "FRUP", "DICOM", "MPC", and "PCU/GIF". The "DICOM" option is selected.


0000093.ai

→ The “Application Entity List” window opens.



The "Application Entity List" dialog box has a "Dicom Setup" section with two input fields: "Application Entity Name :" and "Port Number :". The "Port Number" field contains the value "0". Below these fields is a table with columns for "Service Class", "Role", "Transfer Syntax", and "Attribute".

0000094.EPS

5. Enter the AE name that is the SCU for the DR-ID 800CL (e.g.: “CL-SCU”) in the  field.

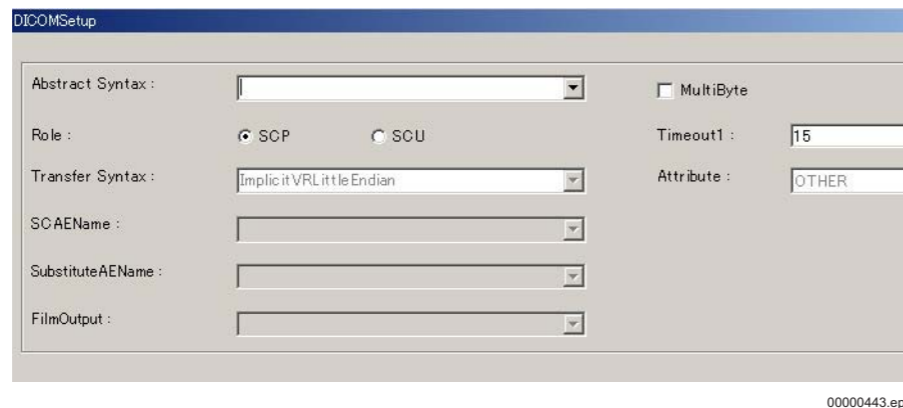
◆ NOTE ◆

There is no need to set the port number in .

When selecting SCU as the Role, the set port number will be disregarded even if it is set.

6. Click .

→ The “DICOMSetup” window opens.



7. Click downward arrow  in the **Abstract Syntax** field to select Service Class (e.g.: “DX Image Storage For Presentation”).

- DX Image Storage For Presentation
- DX Image Storage For Processing

➔ **REFERENCE**


- If “DX Image Storage For Presentation” or “DX Image Storage For Processing” is selected, items that need not be set will be hidden on the “DICOM Setup” window.
- “Verification” is the Service Class used to verify connection between DICOM equipment units. For verifying connection, “Verification” must be selected.

 For details of verification of connection, see “7. Verifying the Connection to Other Connected Equipment –Verify Connection” in “MU: Maintenance Utility”.

8. To set up the AE that is the User, select  (SCU) for the Role.

➔ **REFERENCE**

- If “SCU” is selected, items that need not be set will be hidden on the “DICOM Setup” window.
- For DICOM SCU settings on this equipment (THIS HOST (IIP)), two or more Service Class settings (e.g., DX Image Storage, DICOM Print, and other) can be selected for a single Application Entity. Moreover, two or more Transfer Syntax settings (e.g., JPEGLossless, ImplicitVRLittleEndian, and other) can be selected for a single Service Class.

9. Click downward arrow  in the **Transfer Syntax** field to select the Transfer Syntax (e.g.: “ImplicitVRLittleEndian”).

Service Class	Transfer Syntax Supported (Selected)		
	ImplicitVR LittleEndian	ExplicitVR LittleEndian	JPEG Lossless
DX Image Storage For Presentation	○	○	○
DX Image Storage For Processing	○	○	○
Verification	○	×	×

◆ **NOTE** ◆

- When the DICOM QR function is used, an error may result if ImplicitVRLittleEndian is set up. For this reason, make sure to set up ExplicitVRLittleEndian or JPEGLossless.
- Only the server can be the output destination with DX Image Storage for Processing. Output with DX Image Storage for Processing is impossible in DICOM MEDIA STORAGE and DICOM PDI STORAGE.
- SYNAPSE does not support DX Image Storage for Processing.

10. Set the DICOM inter-message timeout value as necessary.

➔ **REFERENCE**

It is not necessary to check MultiByte . Even if checked, it will be disregarded if the Role set in step 9. above is the SCU.

11. Click downward arrow in the field to select “OTHER” for the device attribute.

◆ **NOTE** ◆

To set the SCU AE on the DR-ID 800CL, select “OTHER” for the device attribute for the time being.

12. Click .

➔ The system returns to the “Application Entity List” window.

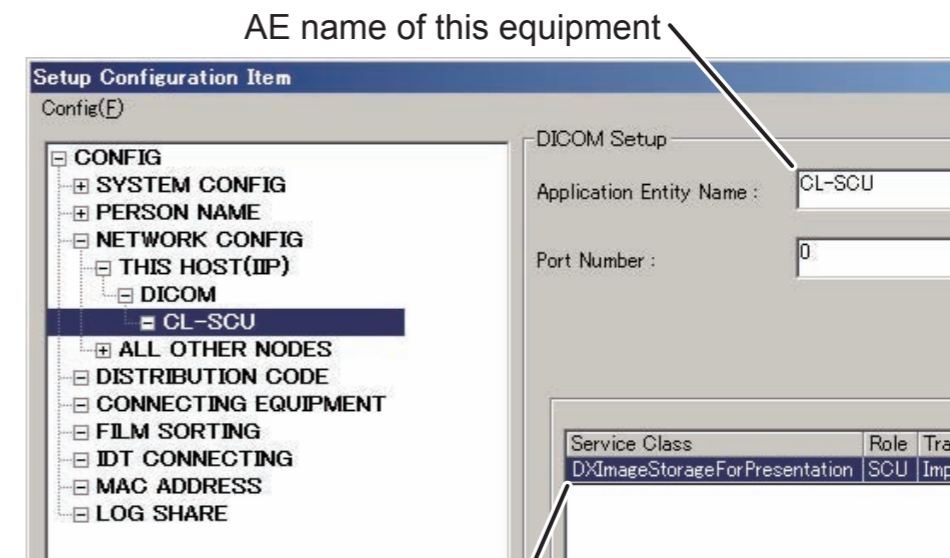
13. Click .

➔ The system returns to the “Setup Configuration Item” window.

➔ **REFERENCE**

• Items just have been set will appear on the right-side area of the “Setup Configuration Item” window. A displayed item can be changed. Whenever it is changed, never fail to click .

• If the key is clicked, currently selected items are deleted.



Service Class, Role, Transfer Syntax and device attribute (Attribute)
0000096.ai

14. Select “Save” from the “Config” menu.

➔ A window opens, prompting you to confirm the setup data to be saved.

15. Click .

➔ The system saves the setup data.

2.1.4 Registration of Information on Other Connected Equipment for the DICOM DX Storage Function

Register the following information items of other connected equipment.

- Host name and IP address of other connected equipment
- AE name (Application Entity Name) and port number of other connected equipment
- Service Class, Role, Transfer Syntax, device attribute (Attribute)
- Setups for gradation correction
- Other (usage of two-byte characters, annotation character setting, etc.)

1. Select **+** **ALL OTHER NODES** of the “Setup Configuration Item” window and click **New**.

→ The “New Node” window opens.

2. Make the following settings.

- Enter the Host name (e.g.: “Other01”) in the **Host Name :** field.

◆ NOTE ◆

*Do not use the following characters for a host name.
< > & ‘ “ / *

- Enter the IP address (e.g.: “172.16.1.30”) in the **IP Address :** field.

- Select “DICOM”.

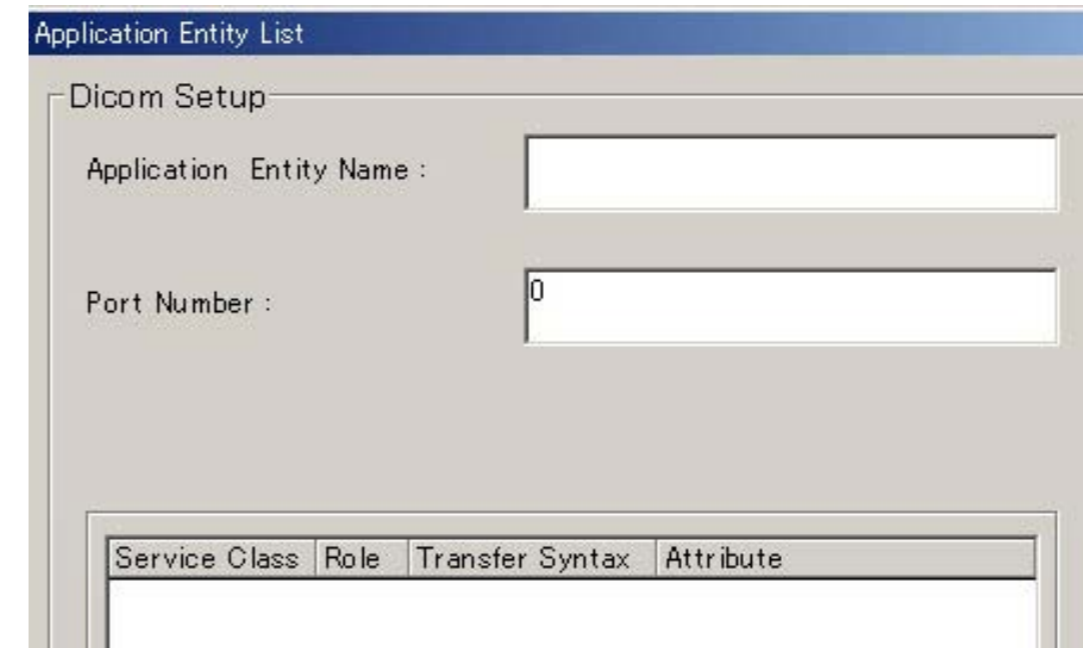


Select “DICOM”.

0000097.ai

3. Click **OK**.

→ The “Application Entity List” window opens for setup of information on other connected equipment.



0000098.EPS

4. Make the following settings.

- Enter the AE name of other connected equipment (e.g.: “Other01-SCP”) in the **Application Entity Name :** field.

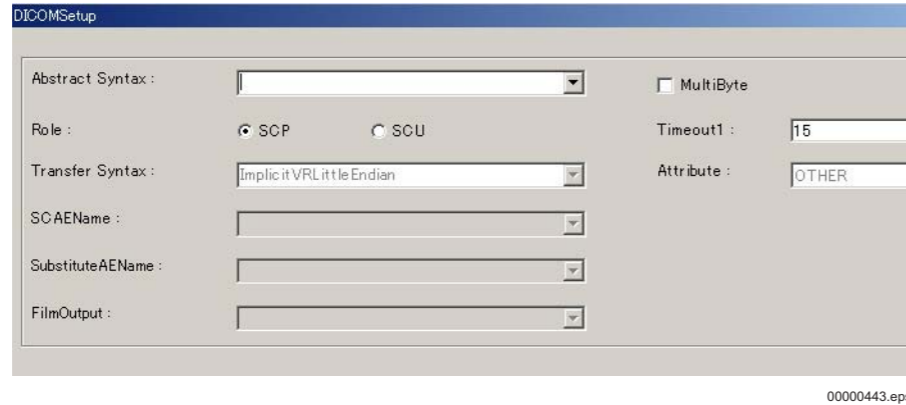
◆ NOTE ◆

- *Never fail to enter the SCP AE name.*
- *Be sure to enter the upper- or lower-case characters correctly.*

- Enter the Port number of other connected equipment (e.g.: “5001”) in the **Port Number :** field.

5. Click .

→ The “DICOMSetup” window opens.



6. Click the downward arrow mark  in the **Abstract Syntax :**  field and select **Service Class (e.g.: “DX Image Storage For Presentation”)**.

- DX Image Storage For Presentation
- DX Image Storage For Processing

◆ **NOTE** ◆

Do not select two or more Service Class settings for a single Application Entity (e.g., CR Image Storage and DX Image Storage for Presentation). Further, do not select two or more Transfer Syntax settings for a single Service Class (e.g., JPEG Lossless and Implicit VR Little Endian).



Even if you select two or more settings, only the first one takes effect.

Also, an error will occur in distribution setting for QA.

➔ **REFERENCE**

- *If “DX Image Storage For Presentation” or “DX Image Storage For Processing” is selected, items that need not be set will be hidden on the “DICOMSetup” window.*
- *“Verification” is the Service Class used to verify connection between DICOM equipment units. For verifying connection, “Verification” must be selected.*

7. Because the AE of other connected equipment is the **Provider**, make sure that **SCP (SCP)** is selected for the **Role**.

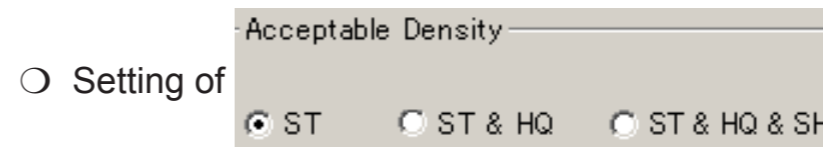
8. Click downward arrow  in the **Transfer Syntax :**  field to select **Transfer Syntax (e.g.: “ImplicitVRLittleEndian”)**.

Service Class	Transfer Syntax Supported (Selected)		
	ImplicitVR LittleEndian	ExplicitVR LittleEndian	JPEG Lossless
DX Image Storage For Presentation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
DX Image Storage For Processing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Verification	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>

◆ **NOTES** ◆

- *Be sure to select a Transfer Syntax selected for this equipment.*
- *When the DICOM QR function is used, an error may result if ImplicitVRLittleEndian is set up. For this reason, make sure to set up ExplicitVRLittleEndian or JPEGLossless.*
- *SYNAPSE does not support DX Image Storage for Processing.*

9. Change the following settings as required.

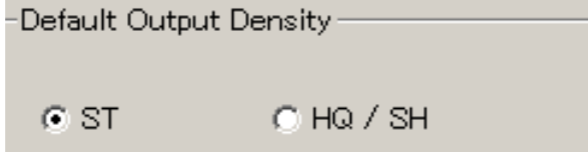


○ Setting of

- ST : Select if other connected equipment cannot receive HQ images.
- ST & HQ : Select if other connected equipment can receive HQ images. (Basically select this setting.)
- ST & HQ & SH : Select if other connected equipment can receive 20 lines/mm images.

10. Make the following setting as required.

○ Setting of



ST : Select when transferring standard images.
HQ/SH : Select when transferring HQ images or 20 lines/mm images.

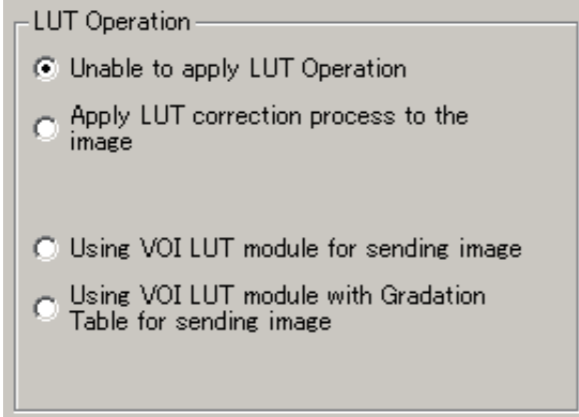
11. To handle two-byte characters, check the MultiByte box (to).

➔ REFERENCE


Timeout1 : needs not be checked. Even if checked, it will be disregarded.

12. Click downward arrow  in the Attribute : field to select "FILE".

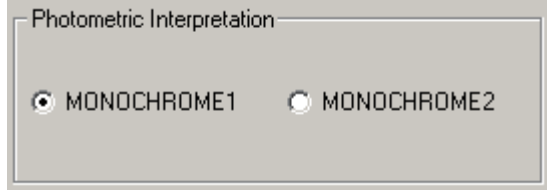
13. Make setups for gradation correction as required.



DXL08100001.ai

 For setup details, see "2.1.9 Display Gradation Correction Setup".

14. For V7.3 or later, perform the following setting as required.



DXCL100810001.ai


MONOCHROME1 : Select when setting the minimum pixel value to white and the maximum pixel value to black.

MONOCHROME2 : Select when setting the minimum pixel value to black and the maximum pixel value to white.

◆ NOTE ◆

- Photometric Interpretation can be selected only when the following settings are performed.
Abstract Syntax : CR Image Storage
LUT Operation : "Unable to apply LUT Operation" or "Apply LUT correction process to the image"
- Do not send the images outputted by specifying MONOCHROME2 to T-SUB677.

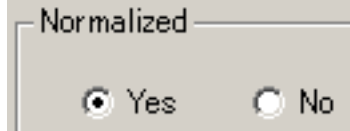
15. Change the following setting as required.



Yes : To transfer annotation-embedded images.

No : To transfer images not embedded with annotation.

16. Perform the following setting as required.



Yes : Perform the standardization process using the window conditions.

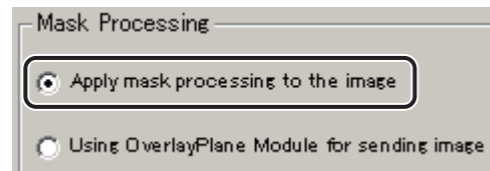
No : Do not perform the standardization process using the window conditions.

- 17. If “Yes” is selected in step 16, specify the gradation bit number in the standardization process.**



- 10 : Select to perform the standardization process in 10 bit.
- 12 : Select to perform the standardization process in 12 bit.

- 18. Select “Apply mask processing to the image” in the “Mask Processing”.**



DXCL050810001.ai

- 19. Click .**

→ The system returns to the “Application Entity List” window.

- 20. Click .**

→ The system returns to the “Setup Configuration Item” window.

- 21. Select “Save” from the “Config” menu.**

→ A window opens, prompting you to confirm the setup data to be saved.

- 22. Click .**


→ The system saves the setup data.

2.1.5 Settings of Automatic Image Distribution (DISTRIBUTION CODE)

For an automatic image distribution to equipment of FILE attribute, set up DISTRIBUTION CODE.

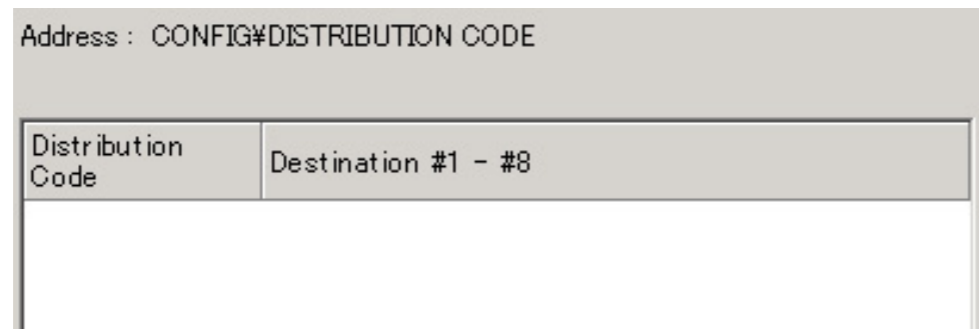
◆ NOTE ◆

For an automatic image distribution processing, be sure to change to “Yes” ahead of time the setting (item 3 of “SYSTEM CONFIG” → “5.CSL/IDT FUNCTION”) under “Enable Distribution Code Setup” of the Service Utility function.

 For an automatic distribution to equipment of FILE attribute, perform the procedure described in “2.1.6 Setup for CONNECTING EQUIPMENT”.

1. Click  of the “Setup Configuration Item” window.

→ A list of destination equipment for automatic image distribution appears on the right-side area of the window.



Distribution Code	Destination #1 - #8
-------------------	---------------------

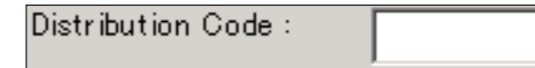
00000247.EPS

2. Click .


→ The “Distribution Code” window opens.

3. Make the following settings.

- Enter an 8-digit distribution code (e.g.: 12345678) in



Distribution Code :

- Click downward arrow  of Destination node #1 : to select equipment’s AE name (e.g.: “Other01-SCP”).

4. Click .

→ The system returns to the “Setup Configuration Item” window.

5. Select “Save” from the “Config” menu.


→ A window opens, prompting you to confirm the setup data to be saved.

6. Click .

→ The system saves the setup data.

2.1.6 Setup for CONNECTING EQUIPMENT

To automatically transfer images to the FILE, set up CONNECTING EQUIPMENT as directed below.

1. Click  on the “Setup Configuration Item” window.



→ A list of registered equipment units appears on the right side of the window.

2. Click .

→ The “CONNECTING EQUIPMENT” window opens.

3. Make the following settings.

Click the downward arrow  within **Function :**  and select “FILE” .

Click the downward arrow  within **Equipment #1 :**  and select equipment’s AE name.

4. Click .

→ You are returned to the “Setup Configuration Item” window.

5. Select “Save” from the “Config” menu.

→ A window opens prompting you to confirm the setup data.



6. Click .

→ The setup data will then be saved.

2.1.7 Settings for UID Issuance

Use the procedure below if the UID issuance method needs to be changed depending on the specifications of other connected equipment which the image is transferred to.

For default settings, see Table: List of UID settings.

1. Click the  mark of  of the “Setup Configuration Item” window.

2. Click .

→ The content of the setup items for the DR-ID 800CL system information appears on the right-side area of the window.


Address : CONFIG\SYSTEM CONFIG\1.IMAGE MODALITY

NO.	Key	Value
1	System Common Date Format	0:Japanese date(S62.10.07)
2	Alert MSG Display When Deleting Image	Yes
3	Activate Error Recovery Retrial	Yes
4	Institute/Site Name Strings	FUJI FILM HOSPITAL

00000248.EPS

3. Make configuration settings as follows for UID issuance.

Table List of UID settings (IMAGE MODALITY)

No	Name	Selection	Meaning
9	UID Issuance after Modifying ID Information	<input type="radio"/> YES Issues a new UID. <input checked="" type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when any ID information is modified on the DR-ID 800CL.
10	UID Issuance after Modifying Normalized Parameter	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when image normalization conditions are modified on the DR-ID 800CL.
11	UID Issuance after Modifying Image Processing Parameter	<input type="radio"/> YES Issues a new UID. <input checked="" type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when image processing conditions are modified on the DR-ID 800CL.
12	UID Issuance Before Sending Processed Data	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Specifying whether or not to output an SOP Instance UID as the processed CR image UID when generating processed image output on the DR-ID 800CL.
13	DICOM Series Generation Logic	<input checked="" type="radio"/> 0: 1 Study - N series and 1 Series - 1 image Issues a number so that it has multiple series for one study and only one image for one series. <input type="radio"/> 0: 1 Study - N series and 1 Series - M image Issues a number so that it has multiple series for one study and multiple images for one series. <input type="radio"/> 0: 1 Study - 1 series and 1 Series - N image Issues a number so that it has only one series for one study and multiple images for one series.	Setup of Series Instance UID issuance logic.  See “3.4 Configuration Details – 1. IMAGE MODALITY” under “MU: Maintenance Utility” .

☉ : Default setting

No	Name	Selection	Meaning
39	UID Issuance about a function (except Image Processing) to change to the image themselves	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when the shuttering processing condition is modified on the DR-ID 800CL.
45	UID Issuance after Modifying Trimming Parameter	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when trimming information is modified.
46	UID Issuance after Modifying FNC Parameter	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when an FNC parameter is modified.
57	UID Issuance after Modifying CRF Parameter	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Whether or not to issue an image UID and SOPInstanceUID when the CRF parameter (sharpness processing parameter) is modified.

☉ : Default setting

4. Select “Save” from the “Config” menu.

→ A window opens, prompting you to confirm the setup data to be saved.

5. Click .

→ The system saves the setup data.

2.1.8 Changing the Name Elements

 See [“3.11 Setting the Name Elements for DICOM Connection”](#) under [“MU: Maintenance Utility”](#).

2.1.9 Display Gradation Correction Setup

The display gradation correction setup procedure is performed to provide images with reasonable appearance when they are displayed on the DICOM viewer. The data entered by performing this procedure works when the DR-ID 800CL transmits images to the DICOM viewer.

This section explains about the LUT file handling and Service Utility setup procedures to be performed for gradation correction purposes.

■ Handling the LUT file

As PL_LL has been already corrected, the LUT correction is not required.

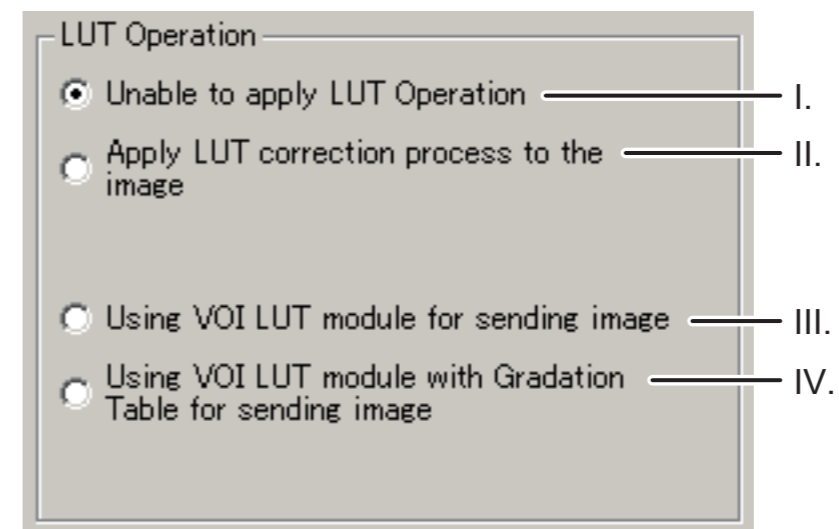
■ Setup procedure

With the Service Utility, perform gradation correction setup as directed below.

1. Start the Service Utility mode and open the gradation correction setup window (LUT Operation).

 For the procedure for opening the setup window, see [“2.1.4 Registration of Information on Other Connected Equipment for the DICOM DX Storage Function”](#).

2. In the setup window (LUT Operation area for DICOM Setup), select a LUT transmission type.




- I. Choose this option when outgoing images are not to be subjected to gradation correction.
- II. Choose this option when outgoing images are to be subjected to gradation correction (inverse transform LUT process) and transmitted as DICOM-processed images.
- III. Choose this option when DICOM tag information (VOILUT module/0028,3010) is to be added to outgoing images so that they are subjected to gradation correction (inverse transform LUT process) at the connected equipment.
- IV. Choose this option when DICOM tag information (VOILUT module/0028,3010) is to be added to outgoing images so that they are subjected to gradation correction at the connected equipment. The sending LUT used for this purpose is the one that includes gradation processing data. This option can be selected only for handling of processed images.

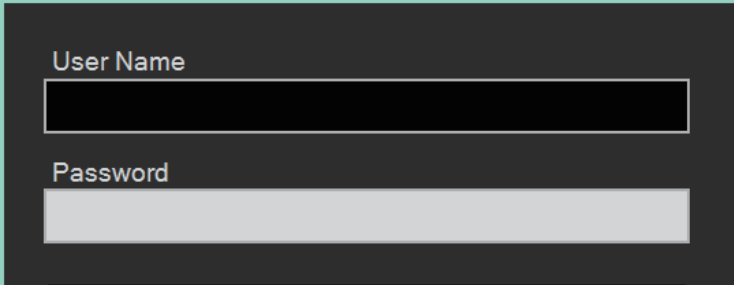
3. Save the setup data and then exit the Service Utility mode.

2.1.10 Service Utility Shutdown

1. Select “Close” from the “Config” menu.
→ The system returns to the “IIP Service Utility” window.
2. Click [Exit Service Utility].
→ The system returns to the desktop screen.

2.1.11 Setup for the Timing of the Image Distribution (V7.3 or Later)

1. From the  menu, sequentially select “All Programs”, “Fuji Film” and “ConsoleAdvance”.
→ The Log-in window for DR-ID 800CL-AP opens.

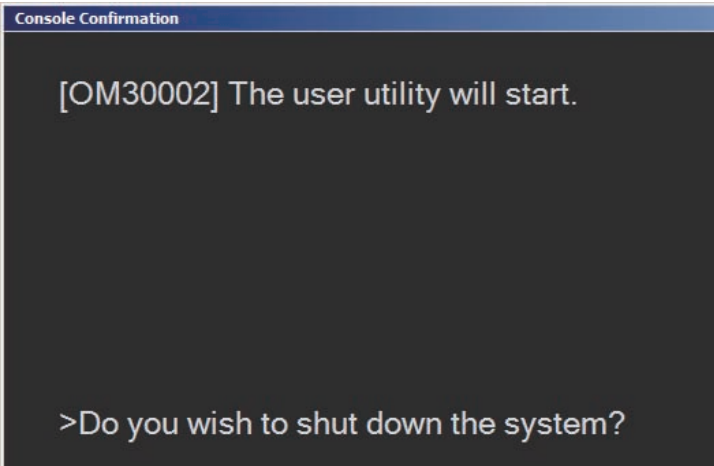


User Name

Password

D80C0304B005.ai

2. Click [User Utility].
→ The “Console Confirmation” window opens.



Console Confirmation

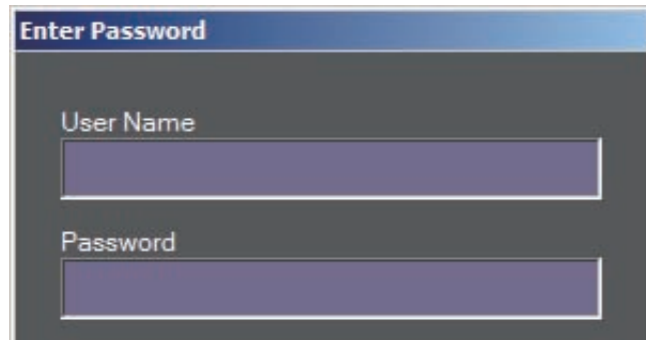
[OM30002] The user utility will start.

>Do you wish to shut down the system?

D80C0304B004.ai

3. Click [OK].

→ The “Enter Password” window opens.



D80C0304B006.ai

4. Enter the following.

User name : FFService

Password : fieldengineer

5. Click [OK].

→ The “Main Menu” window opens.



DXCL10040B003.ai

6. Click [Property Setting].

→ The “Property Setting” window opens.

7. Select “Distribution Setting” tab.

8. Set the “Image-based Distribution Setting” column and “Study-based Distribution Setting” column as required.

Item	Print output	Storage output
Image-based Distribution Setting	<input checked="" type="radio"/> Distribute automatically at each reading <input type="radio"/> Distribute the selected images <input type="radio"/> Do not distribute by the image	<input checked="" type="radio"/> Distribute automatically at each reading <input type="radio"/> Distribute the selected images <input type="radio"/> Do not distribute by the image
Study-based Distribution Setting	<input checked="" type="radio"/> Distribute automatically after the study completion <input type="radio"/> Distribute automatically after the QA completion	<input type="radio"/> Distribute automatically after the study completion <input checked="" type="radio"/> Distribute automatically after the QA completion

⊙: Default setting at factory shipment


◆ NOTE ◆

• To display “temporarily stopping button”, which is for temporarily stopping and resuming auto distribution at each image reading, perform the setup at “Image-based Distribution Setting” so that the combinations are as follows.

Item	Print output	Storage output
Image-based Distribution Setting	Distribute automatically at each reading	Distribute automatically at each reading
	Distribute automatically at each reading	Do not distribute by the image
	Do not distribute by the image	Distribute automatically at each reading

• To display “separately distributing button”, which is for separately distributing only the selected image, perform the setup at “Image-based Distribution Setting” so that the combinations are as follows.

Item	Print output	Storage output
Image-based Distribution Setting	Distribute the selected images	Distribute automatically at each reading
	Distribute automatically at each reading	Do not distribute by the image
	Do not distribute by the image	Distribute automatically at each reading

-
- 9.** Click [OK].
→ The system returns to the “Main Menu” window.
 - 10.** Click [Terminate].
→ The system returns to the Log-in window for DR-ID 800CL-AP.
 - 11.** Click [Shutdown].
→ The exit window opens.
 - 12.** Click  while holding down the <Shift> key.
→ The system returns to the desktop screen.

2.2 Software Setup on Other Connected Equipment

Set up DICOM DX Storage in accordance with the software specifications of other connected equipment so that it can receive images from the DR-ID 800CL.

3. Connection Checkout

After the DR-ID 800CL-AP is started, make sure that images can be transferred from the DR-ID 800CL to other connected equipment.

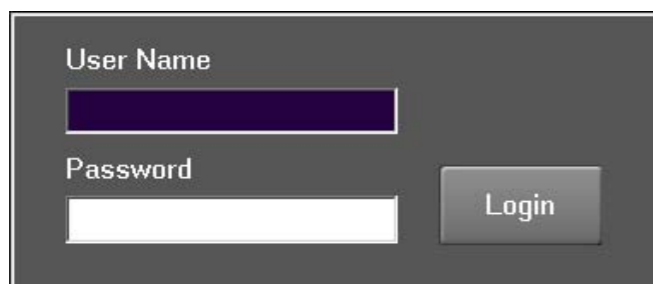
3.1 DR-ID 800CL-AP Startup

3.2 Image Transfer to Other Connected Equipment

3.1 DR-ID 800CL-AP Startup

1. From the  menu, sequentially select “All Programs”, “Fuji Film” and “ConsoleAdvance”.

→ The Log-in window opens.



CLP74010.EPS

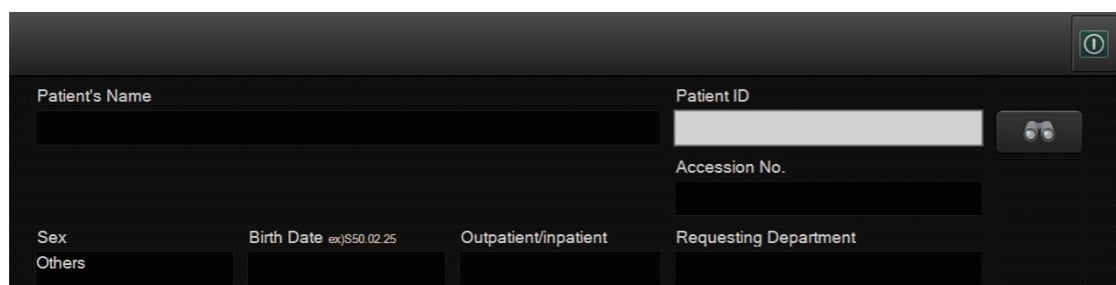
2. Enter the following.

User name : 11111 (default)

Password : 11111 (default)

3. Click [Login].

→ The DR-ID 800CL-AP starts up.




DXL08030002.ai

3.2 Image Transfer to Other Connected Equipment

Transfer images accumulated in the DR-ID 800CL to other connected equipment.

1. Select an image for transfer, then transfer it to other connected equipment.

 For details of the image transfer procedures, see the DR-ID 800CL Operation Manual.

2. Make sure that the image has actually been transferred to other connected equipment.


 For details of the transferred image checking procedures, see the operation manual attached to each equipment.

4. Setup File Backup

Back up the DR-ID 800CL setup file.

Have the following item ready for use for file backup:

- Storage media (FD, USB memory stick or the like)

 For details on the backup procedure, see [“5. Restoring/Backing Up the Configuration File — Configuration Restore/Backup”](#) under [“MU: Maintenance Utility”](#).

BLANK PAGE

BLANK PAGE

Appendix 12 DICOM Print

Described below are setup procedures used for printing images from the DR-ID 800CL using the DICOM Print function.

◆ NOTE ◆

The “DRYPIX” is abbreviated herein as “other connected equipment”.

■ Before setup

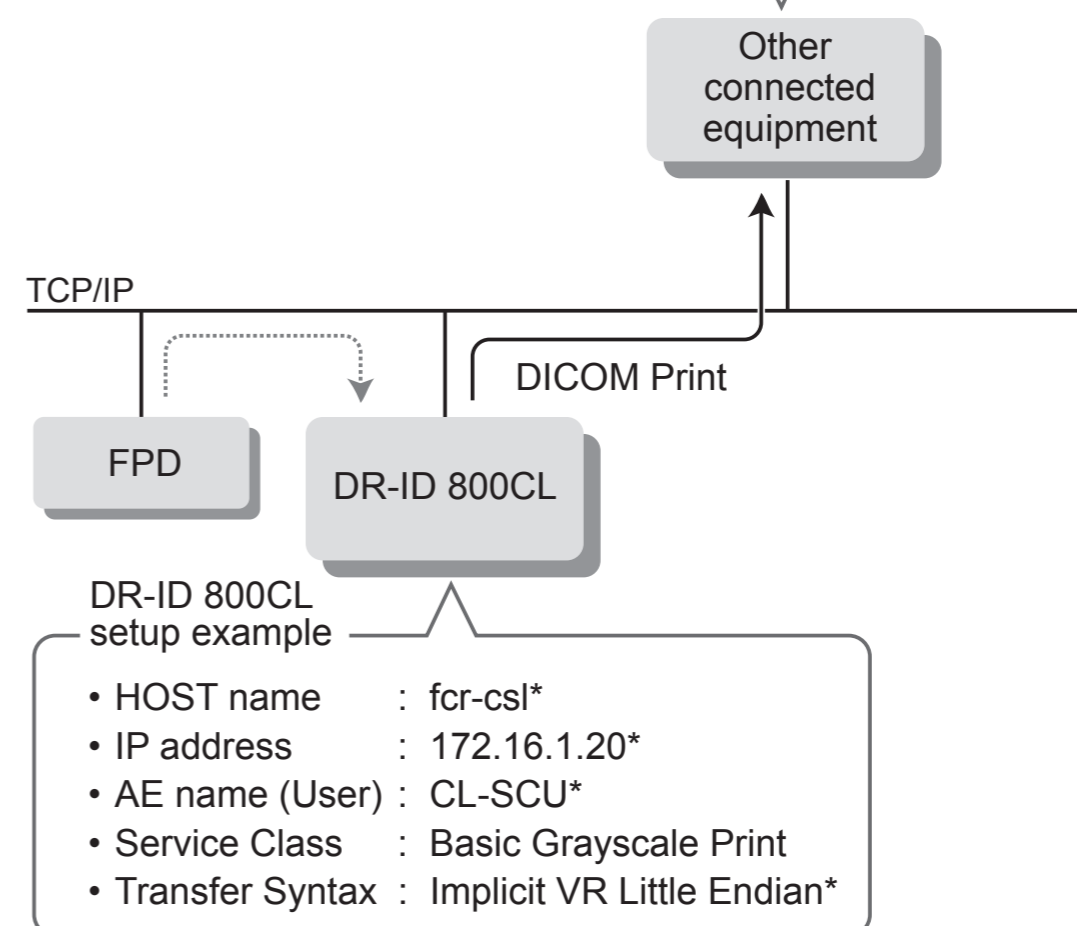
- DR-ID 800CL requirements
 - The DR-ID 800CL main unit must have been set up accordingly.
 - The option key is required.

Key Name	Functions Supported
DX CL DICOM Print key	Basic Grayscale Print (SCU)

- Requirements of other connected equipment
- DRYPIX
 - Other connected equipment main unit must have been set up accordingly.

■ Connection/setup example

- Other connected equipment
- HOST name : fujiprinter
 - IP address : 172.16.0.41 *
 - AE name (Provider) : DRYPIX
 - Port number : 104*
 - Service Class : Basic Grayscale Print
 - Transfer Syntax : Implicit VR Little Endian



Items marked with “*” constitute setup examples, which need to be changed depending on the equipment or network environment.

D80C010812003.ai

➔ REFERENCE

The default DRYPIX user AE name is “FCR-CSL”.

Overall operation flow

Use a network cable to connect the DR-ID 800CL to other connected equipment.

☞ “1. Hardware Setup”

Make setups for printing images onto other connected equipment using the DICOM Print function.

Install the option key and reinstall the AP key. Make then the following setups.

- Setup of information (AE name, device attribute, Service Class, etc.) on this equipment
- Setup of information (AE name, device attribute, port number, Service Class, DICOM Print output conditions, handling of HQ images, etc.) on other connected equipment

Make the following setups as required.

- Registration of a printer for automatic image printout after the completion of a study
- Setup for film annotation character output format
- Setup for name components
- Setup for the timing of the image distribution (V7.3 or later)

☞ “2. Software Setup”

Make sure that images can be transferred from the DR-ID 800CL to other connected equipment and printed correctly from it.

☞ “3 Verifying the Connection”

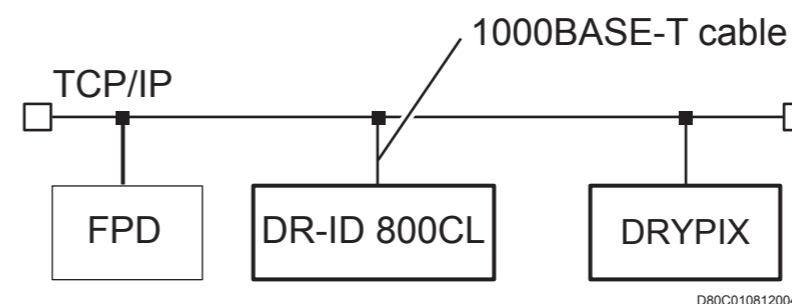
Back up the configuration file.

☞ “4. Backing Up the Setup File”

1. Hardware Setup

Connect the DR-ID 800CL to other connected equipment via network as illustrated below.

- DRYPIX



◆ NOTE ◆

- Do not connect the telephone line to the network connectors of the DR-ID 800CL and other connected equipment.
- The cable type applicable to the DR-ID 800CL is the IEC950/UL1950-compliant UTP cable of enhanced category 5 or higher.

2. Software Setup

Set up software for the DR-ID 800CL and other connected equipment. Set up the items in gray as required. Be sure to set up all other items.

- 2.1 DR-ID 800CL Software Setup
 - 2.1.1 Installation of the DICOM Print Option Key
 - 2.1.2 AP Key Reinstallation
 - 2.1.3 Service Utility Startup
 - 2.1.4 Setup of Information on This Equipment for the DICOM Print Function
 - 2.1.5 Registration of Information on Other Connected Equipment for the DICOM Print Function
 - 2.1.6 Registration of Printer That Automatically Outputs Print Films Upon Completion of checkout – CONNECTING EQUIPMENT
 - 2.1.7 Film Annotation Character Format Setup
 - 2.1.8 Changes in Name Elements
 - 2.1.9 Setup for Film Sorting Function
 - 2.1.10 Setting the DICOM Print Output Conditions
 - 2.1.11 Service Utility Shutdown
 - 2.1.12 Setup for the Timing of the Image Distribution (V7.3 or Later)

Tasks done on the DR-ID 800CL

- 2.2 Software Setup for Other Connected Equipment

Tasks done on other connected equipment

2.1 DR-ID 800CL Software Setup

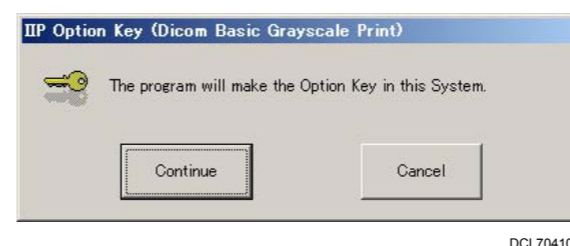
2.1.1 Installation of the DICOM Print Option Key

To activate the DICOM Print function on other connected equipment, the DX CL DICOM PRINT option key is needed.

1. Connect the USB disk drive (JIG) to the USB port of the Mobile X-ray Unit.
2. Insert the optional key disk into the disk drive.
 - Within several seconds, the installation start window opens.

◆ NOTE ◆

In case the installation start window does not open automatically, double-click the execution file (Filename extension: exe) in the Disk.



3. Click .

→ A window opens to indicate the completion of option key installation.



4. Click .

→ The system returns to the desktop screen.

5. Remove the Disk from the disk drive.

2.1.2 AP Key Reinstallation

If the option key is installed, be sure to reinstall the AP key.

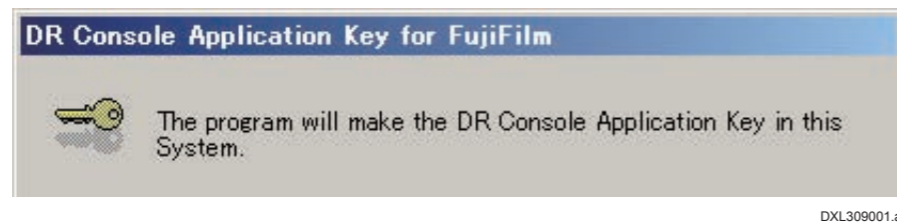
Use the AP key Disk to reinstall the AP key. The reinstallation procedure is shown below.

1. Insert the AP key Disk into the disk drive.

→ After a while, the installation start window automatically opens.

◆ NOTE ◆

In case the installation start window does not open automatically, double-click the execution file (Filename extension: exe) in the Disk.



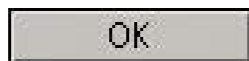
2. Click



→ A window opens to indicate the completion of installation.



3. Click



→ The system returns to the desktop.

4. Remove the Disk from the disk drive.

2.1.3 Service Utility Startup

1. Turn ON the power of the DR system on the Mobile X-ray Unit.

→ Windows starts up and then the DR-ID 800CL-AP starts running in about one minute.

➔ REFERENCE

If the AP or Windows is already running, start the Service Utility as directed under REFERENCE in step 2. below.

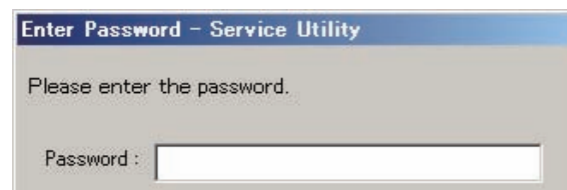
2. Within a period of 3 seconds after the initial window opens, sequentially click the upper left and upper right corners of the window.

Click the upper left corner and then the upper right corner.



DXL0310001.ai


→ The “Enter Password” window opens.



DXL41001.ai

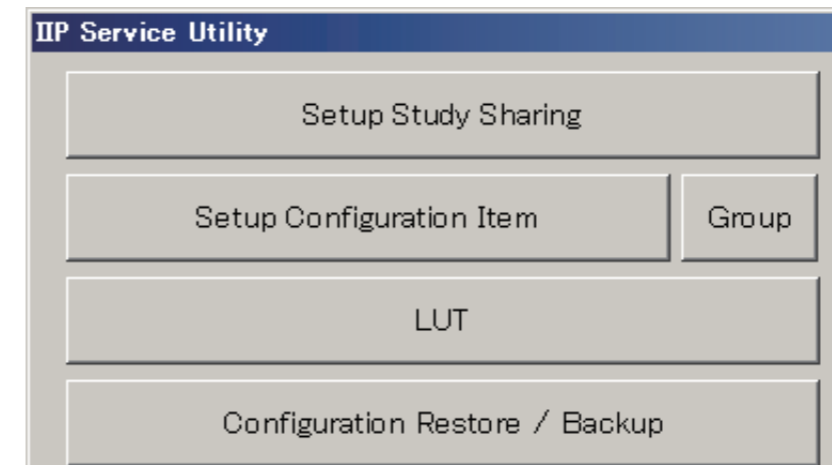
➔ REFERENCE

If you cannot complete step 2. from the initial window within a 3-second period and allow the AP to start up, perform the following steps to start the Service Utility:

1. To exit the AP, choose “Shut Down” in the  menu.
2. Click [OK] while holding down the <Shift> key on the shutdown window.
3. From the “Start” menu, sequentially choose “All Programs”, “Fuji Film”, and “Console Advance”.
4. When the initial window opens, sequentially click its upper left and upper right corners within a period of 3 seconds.

3. Enter a password (“fieldengineer”) to log in to the Service Utility and click .

→ The Service Utility starts and the “IIP Service Utility” window opens.



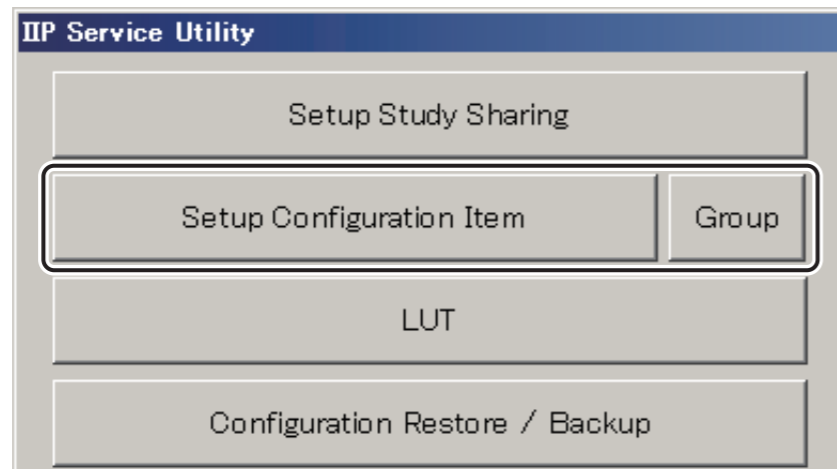
DXCL100810002.ai

2.1.4 Setup of Information on This Equipment for the DICOM Print Function

Makes settings for the following information items of this equipment.

- Host name and IP address of this equipment
- AE name (Application Entity Name) of this equipment
- Service Class, Role, Transfer Syntax, device attribute (Attribute)
- Other (timeout settings, etc.)

1. Click [Setup Configuration Item] of the “IIP Service Utility” window.



DXCL100810003.ai

→ The “Setup Configuration Item” window opens.



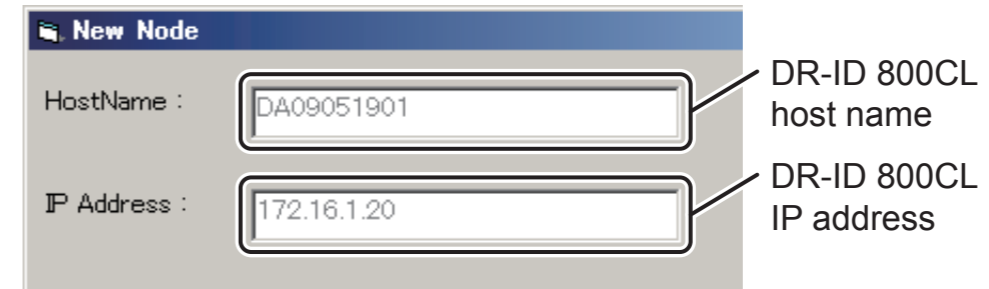
00000404.EPS

2. Click the mark of the NETWORK CONFIG field.

3. Select THIS HOST(IP) and click .

→ The “New Node” window opens.

4. Make sure that the DR-ID 800CL host name and IP address are displayed.



D80C010810007.ai

◆ NOTE ◆

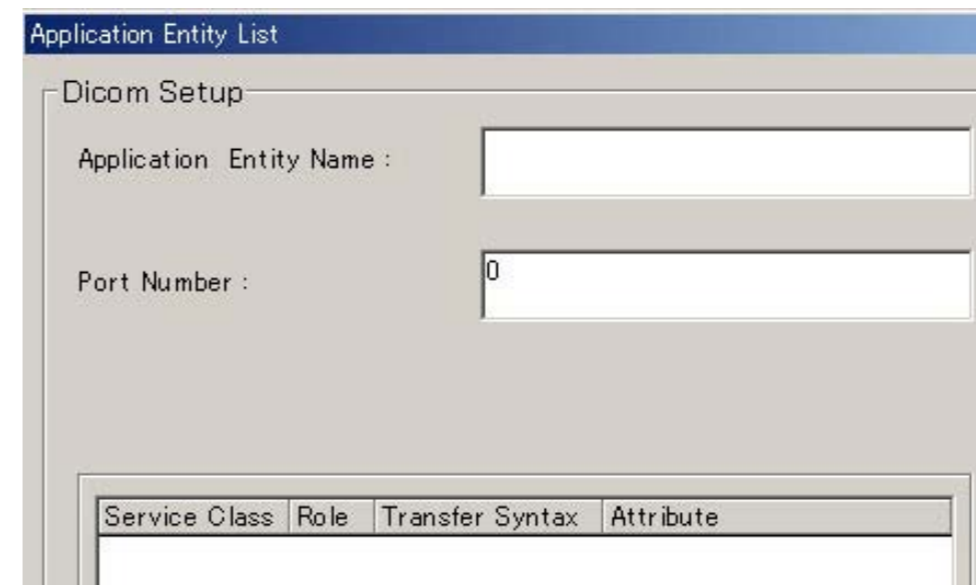
The IP address will not be displayed properly unless the DR-ID 800CL is connected to a network.

5. Make sure that “DICOM” is selected and click .



00000093.ai

→ The “Application Entity List” window opens.



00000442.EPS

6. Enter the AE name that is the SCU for the DR-ID 800CL (e.g.: “CL-SCU”) in the Application Entity Name : field.

➔ **REFERENCE**

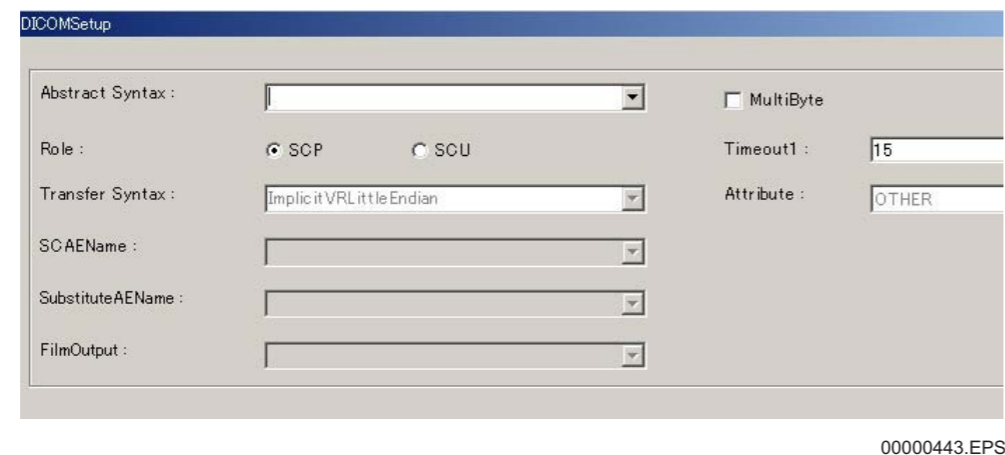
When the connected equipment is DRYPIX, enter “FCR-CSL”. As the AE name of the connected equipment (SCU), “FCR-CSL” has been set for DRYPIX.

◆ **NOTE** ◆

There is no need to set the port number in Port Number : .
When selecting SCU as the Role, the set port number will be disregarded even if it is set.

7. Click .

➔ The “DICOMSetup” window opens.



8. Click downward arrow in the Abstract Syntax : field to select Service Class (e.g.: “Basic Grayscale Print”).

➔ **REFERENCE**

“Verification” is the Service Class used to verify connection between DICOM equipment units. For verifying connection, “Verification” must be selected.

☞ For details of verification of connection, see “7. Verifying the Connection to Other Connected Equipment – Verify Connection” under “MU: Maintenance Utility”.

9. To set up the AE that is the User, select SCU (SCU) for the Role.

➔ **REFERENCE**

If “SCU” is selected, items that need not be set will be hidden on the “DICOM Setup” window.

10. Set the DICOM inter-message timeout value Timeout1 : 15 as necessary.

➔ **REFERENCE**

It is not necessary to check MultiByte .
Even if checked, it will be disregarded if the Role set in step 9. above is the SCU.

11. Click .

➔ The system returns to the “Application Entity List” window.

12. Click  .

→ The system returns to the “Setup Configuration Item” window.

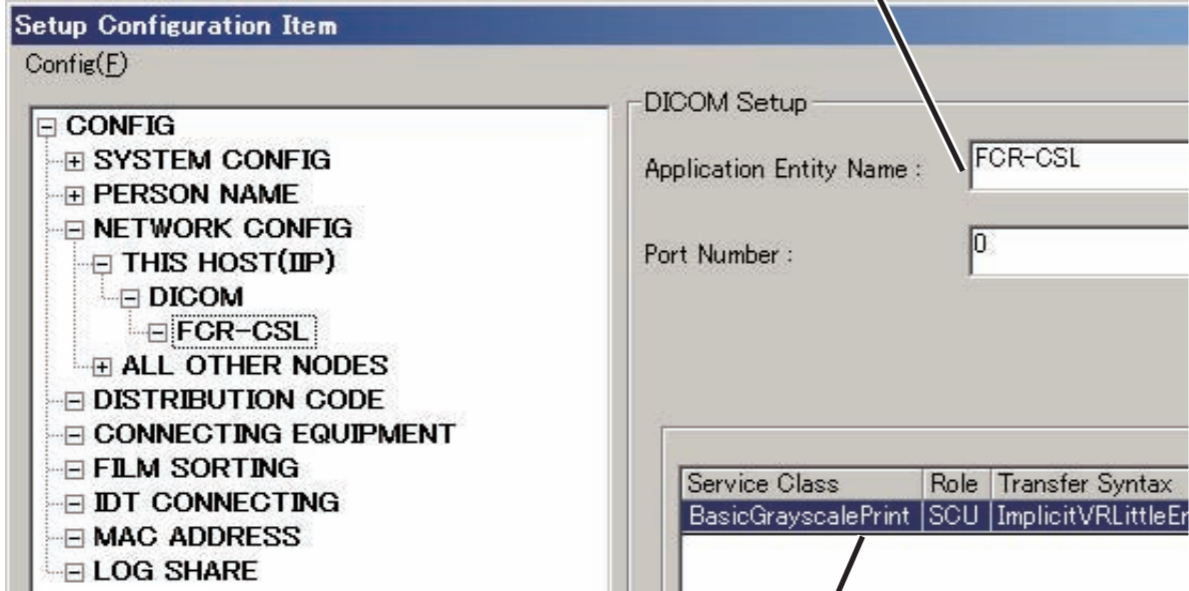
➔ **REFERENCE**

- *Items just have been set will appear on the right-side area of the “Setup Configuration Item” window. A displayed item can be changed. Whenever it is changed, never fail to click*



- *If the  key is clicked, currently selected items are deleted.*

AE name of this equipment



Service Class	Role	Transfer Syntax
BasicGrayscalePrint	SCU	ImplicitVRLittleEnd

Service Class, Role, Transfer Syntax and device attribute (Attribute)

00000399.ai

13. Select “Save” from the “Config” menu.

→A window opens, prompting you to confirm the setup data to be saved.

14. Click  .

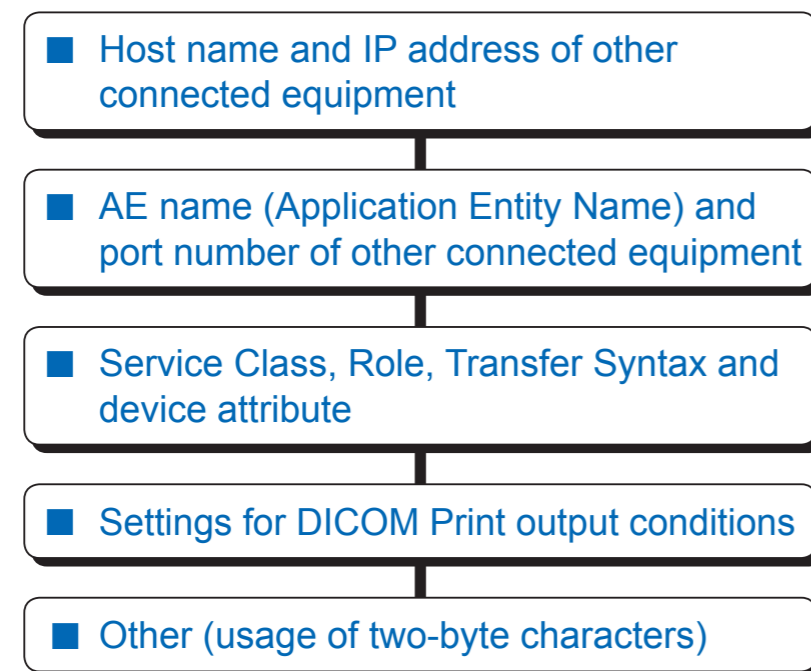
→The system saves the setup data.

2.1.5 Registration of Information on Other Connected Equipment for the DICOM Print Function

Register the following information items of other connected equipment.

- Host name and IP address of other connected equipment
- AE name (Application Entity Name) and port number of other connected equipment
- Service Class, Role, Transfer Syntax, device attribute (Attribute)
- Settings for DICOM Print output conditions
- Other (usage of two-byte characters)

Register the necessary information items according to the flow shown below.



■ Host name and IP address of other connected equipment

1. Select **ALL OTHER NODES** of the “Setup Configuration Item” window and click .

→ The “New Node” window opens.

2. Make the following settings.

- Enter the Host name (e.g.: “fujiprinter”) in the field.

◆ NOTE ◆

*Do not use the following characters for a host name.
< > & ‘ “ / *

- Enter the IP address (e.g.: “172.16.1.30”) in the field.
- Select “DICOM”.

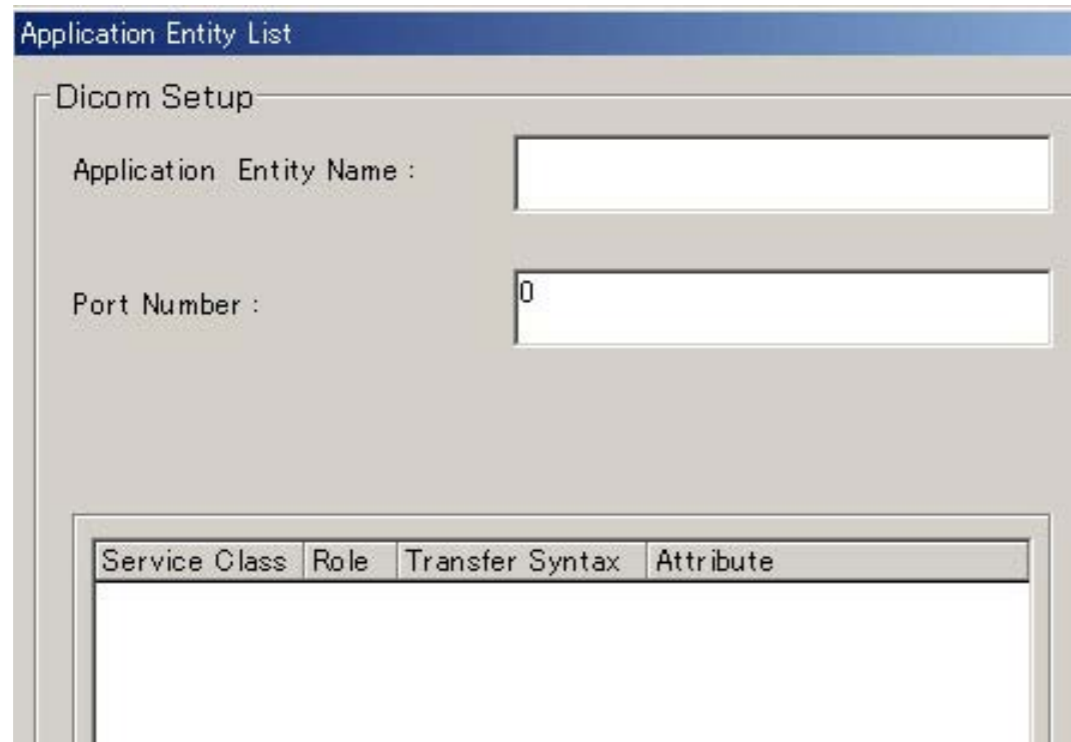


Select “DICOM”.

0000097.ai

3. Click .

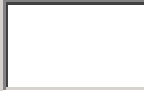
→ The “Application Entity List” window opens for setup of information on other connected equipment.



00000444.EPS


■ AE name (Application Entity Name) and port number of other connected equipment

1. Make the following settings on the “Application Entity List” window.

- Enter the AE name of other connected equipment (e.g.: “DRYPIX”) in the Application Entity Name :  field.

◆ NOTE ◆

Be sure to enter the upper- or lower-case characters correctly.

- Enter the Port number of other connected equipment (e.g.: “104”) in the Port Number :  field.

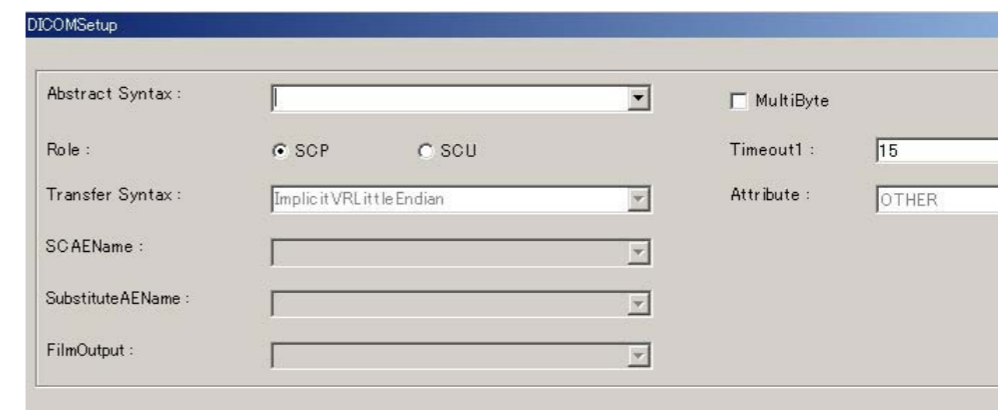
➔ REFERENCE

Set as follows when the DRYPIX is connected.

- *DRYPIX*
 - Application Entity Name : *DRYPIX (default)*
 - Port number : *17238 (default : DRYPIX 3000)*
104 (default : DRYPIX 4000/7000)


2. Click .

→ The “DICOMSetup” window opens.



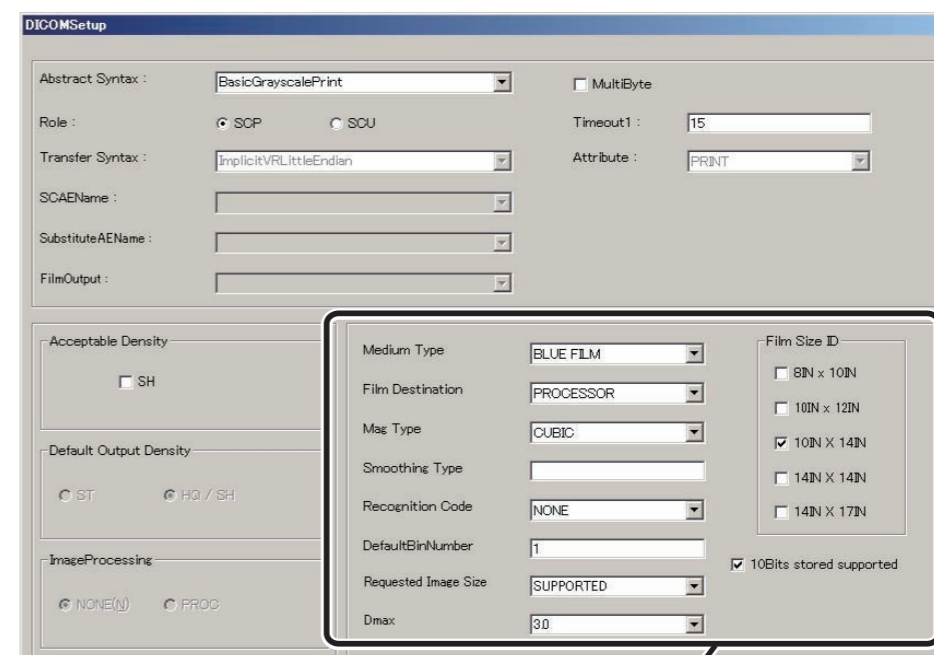
00000443.EPS

■ Service Class, Role, Transfer Syntax and device attribute

1. Click downward arrow  of the Abstract Syntax : field and select Service Class (e.g.: “Basic Grayscale Print”).
2. Because the AE of the other equipment is the Provider, make sure that SCP (SCP) is selected for the Role.

■ Settings for DICOM Print output conditions

1. Make necessary settings for the following DICOM Print output conditions. Set them as shown in the table below if the other connected equipment is the DRYPIX.



The screenshot shows the DICOMSetup dialog box with the following settings highlighted in a callout box:

- Medium Type: BLUE FILM
- Film Destination: PROCESSOR
- Mag Type: CUBIC
- Smoothing Type: (blank)
- Recognition Code: NONE
- Default Bin Number: 1
- Requested Image Size: SUPPORTED
- Dmax: 3.0

DICOM Print output conditions

DXCL080812002.ai

Setup item	Content
• Media Type	BLUE FILM (Default)
• Film Destination	PROCESSOR (Default)
• Mag Type	CUBIC (Default)
• Smoothing Type	Blank (Default)
• Recognition Coed	NONE (Default)
• Default Bin Number	1 (Default)
• Film Size ID	(Change as needed.)*1
• Requested Image Size	SUPPORTED (Select this setting.)
• Dmax	3.0 (Default)
• 10 Bits Stored Supported	Use check mark. (Default)

*1 Set this item in accordance with the film size available on the printer.

 For details of settings for the DICOM Print output conditions, see “2.1.10 Setting the DICOM Print Output Conditions”.

■ Other (usage of two-byte characters)

1. To handle two-byte characters, check the MultiByte box (to).

→ **REFERENCE**

Timeout1 : *needs not be checked. Even if checked, it will be disregarded.*

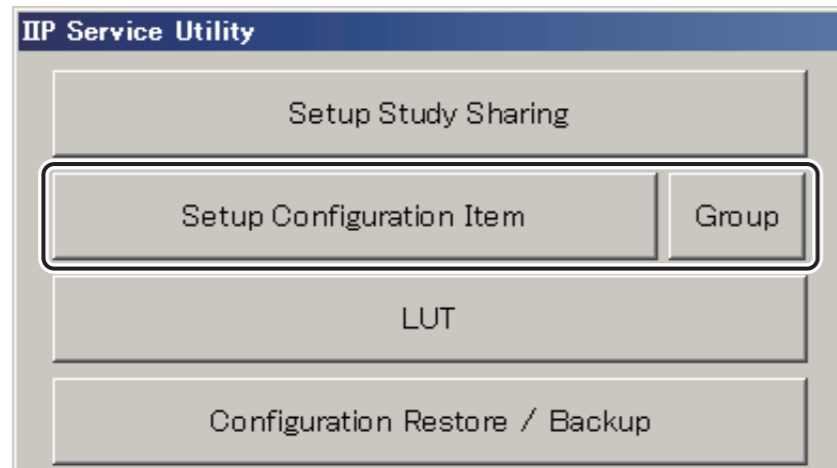
2. Click .
→ The system returns to the “Application Entity List” window.
3. Click .
→ The system returns to the “Setup Configuration Item” window.
4. Select “Save” from the “Config” menu.
→ A window opens, prompting you to confirm the setup data to be saved.
5. Click .
→ The system saves the setup data.

2.1.6 Registration of Printer That Automatically Outputs Print Films Upon Completion of Checkout – CONNECTING EQUIPMENT

Use this procedure to register a printer that automatically outputs print films upon completion of checkout.

A printer that outputs print films only via the QA operation needs not to be registered here.

1. From the “IIP Service Utility” window, click [Setup Configuration Item].



DXCL100810003.ai

→ The “Setup Configuration Item” window opens.



00000404.EPS

2. Click **CONNECTING EQUIPMENT**.

→ A list of registered equipment appears in the right-hand area of the window.

3. Click .

→ The “CONNECTING EQUIPMENT” window opens.

4. Perform the following setup steps:

- Click the downward arrow mark in the **Function :** field and select the function (PRINT) of the connected device.
- Click the downward arrow mark in the **Equipment #1 :** field and select the AE name (e.g.: DRYPIX) of the fujjprinter.

5. Click .

→ You are returned to the “Setup Configuration Item” window.

6. From the “Config” menu, choose “Save”.




→ A window opens, prompting you to confirm the setup data to be saved.

7. Click .

→ The system saves the setup data.

2.1.7 Film Annotation Character Format Setup

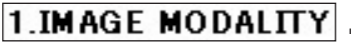
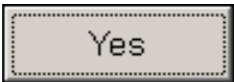
Perform the following film annotation character format setup procedure, for instance, to specify the image information to be printed out onto film, the annotation character format, and the use of an image-frame.

1. From the “Setup Configuration Item” window, click the  sign within the  field.
2. Click .
3. Set the film annotation character format.

 For details on the setup procedure, see “3.6 Configuration Details — 4. PRINTER” under “MU: Maintenance Utility”.

◆ NOTE ◆

When the DR-ID 613SE is not used, step 4 and step 5 are unnecessary. Proceed to step 6.

4. Click .
 5. Set “24CMX30CM” for No. 318 “Enable Trimming size Extended (Auto)”.
 6. From the “Config” menu, choose “Save”.
→ A window opens, prompting you to confirm the setup data to be saved.
 7. Click .
- The system saves the setup data.

2.1.8 Changes in Name Elements

When the DICOM is connected, change patient name elements as necessary.

 See “3.11 Setting the Name Elements for DICOM Connection” in “MU: Maintenance Utility”.

2.1.9 Setup for Film Sorting Function

Film sorting conditions must be set up for the printer that supports the film sorting function.

 “3.12 Setting Up the DICOM Print Film Sorting Function” under “MU: Maintenance Utility”.

2.1.10 Setting the DICOM Print Output Conditions

The DICOM Print output condition setup data are detailed below.

Item	Option	Meaning	Remarks
Media type (Media Type)	BLUE FILM	Film having a blue background	Routine setting.
	CLEAR FILM	Film having a transparent background	
Film output destination (Film Destination)	MAGAZINE	Magazine	
	PROCESSOR	Processor	
	BIN_I	Printer trays	
Film size (Film Size ID)	8IN×10IN	8"×10"	
	10IN×12IN	10"×12"	
	10IN×14IN	26×36 cm	
	14IN×14IN	14"×14"	
	14IN×17IN	14"×17"	
Image interpolation method (Mag Type)	REPLICATE	Replicate method	
	BILINEAR	Bilinear method	
	CUBIC	Cubic method	Routine setting.
	NONE	No interpolation	
Image smoothing method (Smoothing Type)	A character string	A character string	This setting takes effect only when "CUBIC" is selected as the image interpolation method. As "a character string", write the character string that is defined under "Conformance Statement" for the output destination printer.

Item	Option	Meaning	Remarks
Identification key (Recognition Code)	REQ-SRV	Requesting department	Information for identifying the BIN number that is used to specify the film output destination (printer trays) (character string: information matching the information attached to image data).
	MPM	MPM code	
	BODY-PART	Exposure anatomical region	
	NONE	No setting	
Default BIN number (Default BIN Number)	BIN-number-indicating number		BIN number for printing images without matching collation values.
10-bit image output (10Bits Stored Supported)	Checked	Generates 10-bit outputs.	Select "Checked" for output to a FujiFilm printer.
	Unchecked	Generates 12-bit outputs.	
Requested Image Size (2020, 0030)	SUPPORTED	Transfers an image size request tag.	Select "SUPPORTED" if you wish to output images to a FujiFilm printer.
	UNSUPPORTED	Does not transfer an image size request tag.	
Maximum density Dmax	3.0		If 3.6 is set, images will be printed at Dmax 3.6 only when the MPM CODE is x3xx.
	3.6		

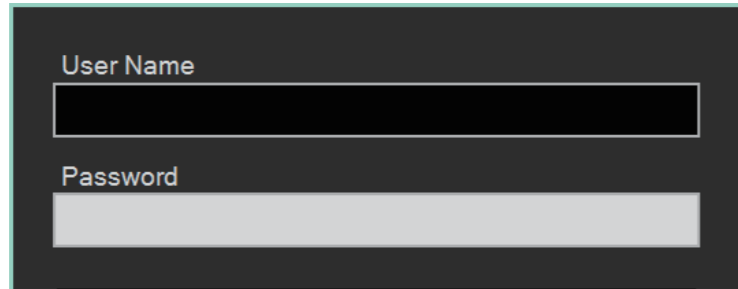
2.1.11 Service Utility Shutdown

1. Select "Close" from the "Config" menu.
 - The system returns to the "IIP Service Utility" window.
2. Click [Exit Service Utility].
 - The system returns to the desktop screen.

2.1.12 Setup for the Timing of the Image Distribution (V7.3 or Later)

1. From the  menu, sequentially select “All Programs”, “Fuji Film” and “ConsoleAdvance”.

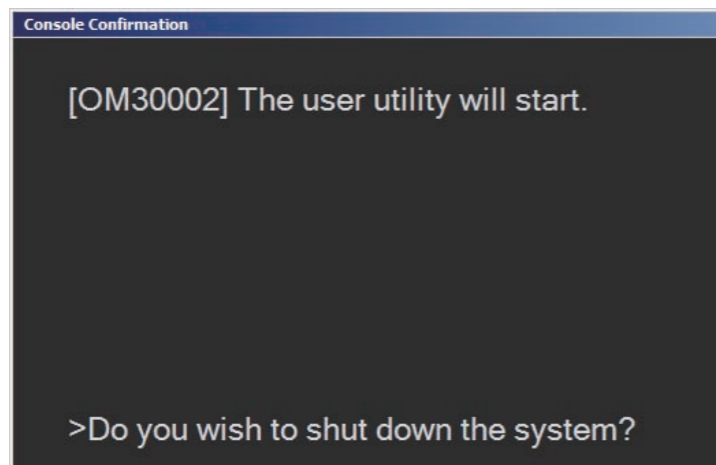
→ The Log-in window for DR-ID 800CL-AP opens.



D80C0304B005.ai

2. Click [User Utility].

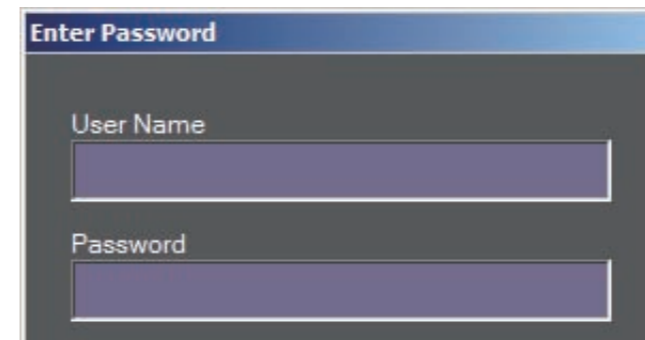
→ The “Console Confirmation” window opens.



D80C0304B004.ai

3. Click [OK].

→ The “Enter Password” window opens.



D80C0304B006.ai

4. Enter the following.

User name : FFService

Password : fieldengineer

5. Click [OK].

→ The “Main Menu” window opens.



DXCL10040B003.ai

6. Click [Property Setting].

→ The “Property Setting” window opens.

7. Select “Distribution Setting” tab.

8. Set the “Image-based Distribution Setting” column and “Study-based Distribution Setting” column as required.

Item	Print output	Storage output
Image-based Distribution Setting	<input checked="" type="radio"/> Distribute automatically at each reading <input type="radio"/> Distribute the selected images <input type="radio"/> Do not distribute by the image	<input checked="" type="radio"/> Distribute automatically at each reading <input type="radio"/> Distribute the selected images <input type="radio"/> Do not distribute by the image
Study-based Distribution Setting	<input checked="" type="radio"/> Distribute automatically after the study completion <input type="radio"/> Distribute automatically after the QA completion	<input type="radio"/> Distribute automatically after the study completion <input checked="" type="radio"/> Distribute automatically after the QA completion

: Default setting at factory shipment

◆ NOTE ◆

- To display “temporarily stopping button”, which is for temporarily stopping and resuming auto distribution at each image reading, perform the setup at “Image-based Distribution Setting” so that the combinations are as follows.

Item	Print output	Storage output
Image-based Distribution Setting	Distribute automatically at each reading	Distribute automatically at each reading
	Distribute automatically at each reading	Do not distribute by the image
	Do not distribute by the image	Distribute automatically at each reading

- To display “separately distributing button”, which is for separately distributing only the selected image, perform the setup at “Image-based Distribution Setting” so that the combinations are as follows.

Item	Print output	Storage output
Image-based Distribution Setting	Distribute the selected images	Distribute automatically at each reading
	Distribute automatically at each reading	Do not distribute by the image
	Do not distribute by the image	Distribute automatically at each reading

9. Click [OK].

→ The system returns to the “Main Menu” window.

10. Click [Terminate].

→ The system returns to the Log-in window for DR-ID 800CL-AP.

11. Click [Shutdown].

→ The exit window opens.

12. Click  while holding down the <Shift> key.

→ The system returns to the desktop screen.

2.2 Software Setup for Other Connected Equipment

Set up the DICOM Print function as follows so that other connected equipment can receive images coming from the DR-ID 800CL.

- DRYPIX

 See “8.1 Network Connection (DICOM)” in “IN: Installation” of the DRYPIX Service Manual.

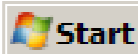
3. Verifying the Connection

This section describes the procedures for printing images onto the printer from the DR-ID 800CL for film annotation character format verification purposes.

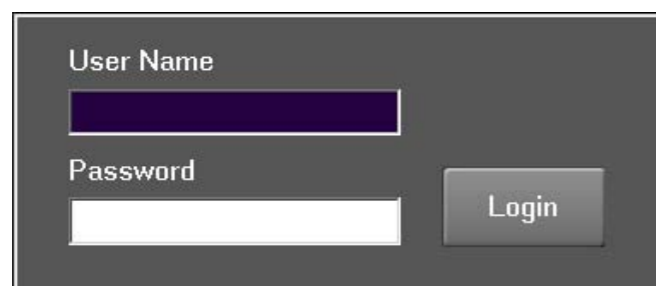
3.1 Starting the DR-ID 800CL-AP

3.2 Verifying the Film Annotation Character Format

3.1 Starting the DR-ID 800CL-AP

- From the  menu, sequentially select “All Programs”, “Fuji Film” and “ConsoleAdvance” .

→ The Log-in window opens.



CLP74010.EPS

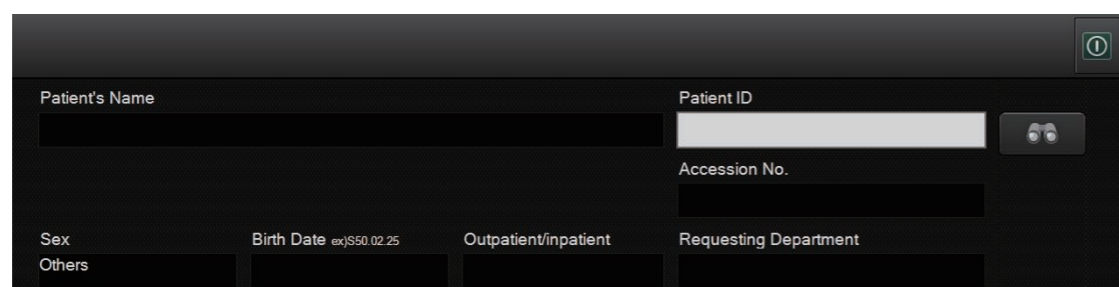
- Enter the following.

User name : 11111 (default)

Password : 11111 (default)

- Click [Login].

→ The DR-ID 800CL-AP starts up.



DXL08030002.ai

3.2 Verifying the Film Annotation Character Format

- Print out a read image.

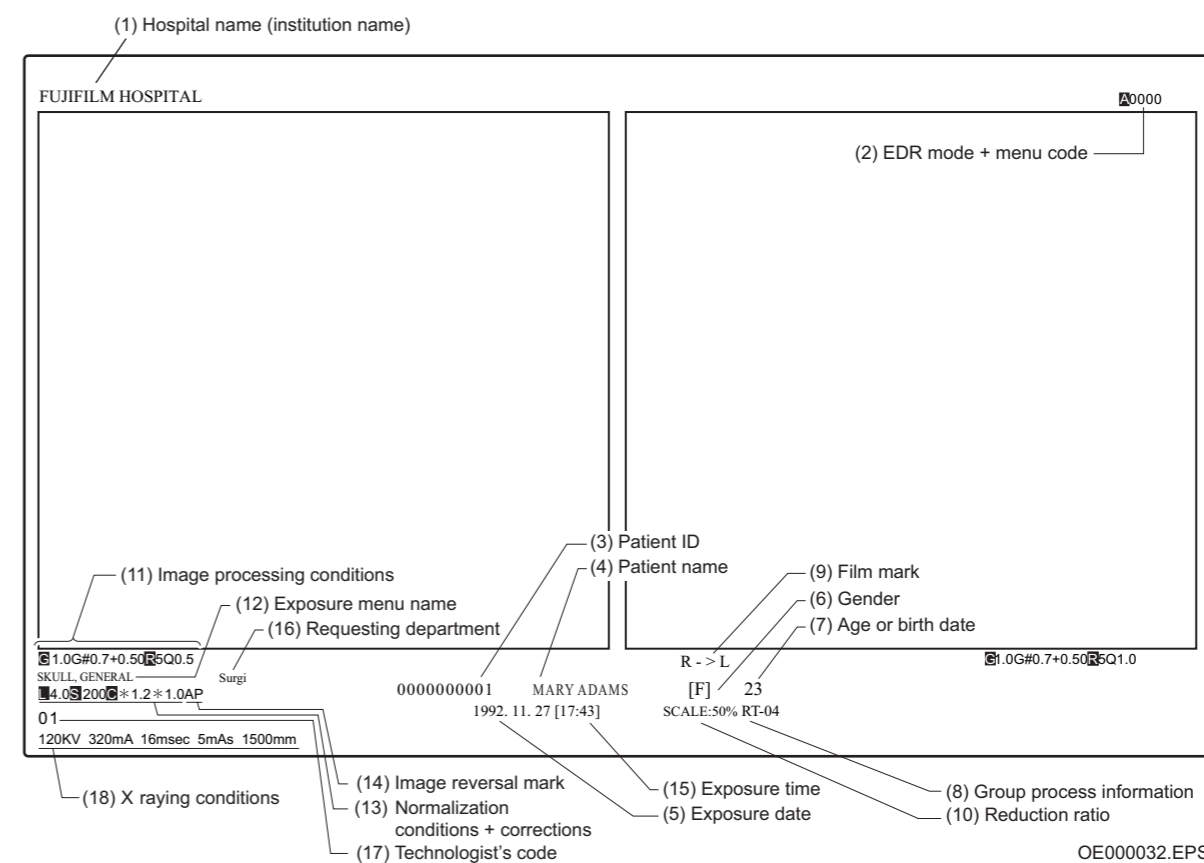
 For details on the print output procedure, see “DR-ID 800CL” Operation Manual.

- Check whether the film annotation character format information entered from the DR-ID 800CL is properly printed out onto the film.


Also, check for blurred, chipped, or otherwise abnormal character printings.

→ REFERENCE

The example in the figure below represents a printout that would be generated when the default film annotation character format is used (image size: 35 × 35cm (14" × 14"); print format: TWIN). When the default settings are used, character strings (1) through (18) are printed out.



OE000032.EPS


 If any abnormality is found, see “8. Print Output Function” under “MU: Maintenance Utility”.

4. Backing Up the Setup File

Make a backup of the DR-ID 800CL setup file.

For making a backup, have the following item on hand:

- Storage media (FD, USB memory stick or the like)

 For details on the backup procedure, see [“5. Restoring/Backing Up the Configuration File – Configuration Restore/Backup”](#) under [“MU: Maintenance Utility”](#).

Appendix 13 RIS: DICOM MWM/DICOM PPS

This chapter describes the DICOM MWM and DICOM PPS setup procedures.

○ MWM

Abbreviation of the “Modality Worklist Management” function, which enables the DR-ID 800CL to receive via networks patient information or exposure menu registered to the RIS and view it on the study reception window.

The DR-ID 800CL offers two kinds of MWM: MWM(ORDER) that receives both patient information and exposure menu and MWM (ID) that receives only patient information.

○ PPS

Abbreviation of the “Performed Procedure Step” function, which is responsible for sending patient's actual measurement values determined on the DR-ID 800CL back to the RIS.

Basically, the PPS function is used combined with MWM.

Note however that the RIS does not support the PPS function depending on the model. For this reason, the DR-ID 800CL offers the MWM and PPS functions individually.

◆ NOTE ◆

The DICOM MWM function or DICOM PPS function cannot co-exist with the following optional functions.

- *Simple Ordering Function (DX CL SIMPLE ORDERING)*

■ Prior to setup

- DR-ID 800CL requirements
 - The DR-ID 800CL main unit must have been set up accordingly.
 - The following option keys are needed.

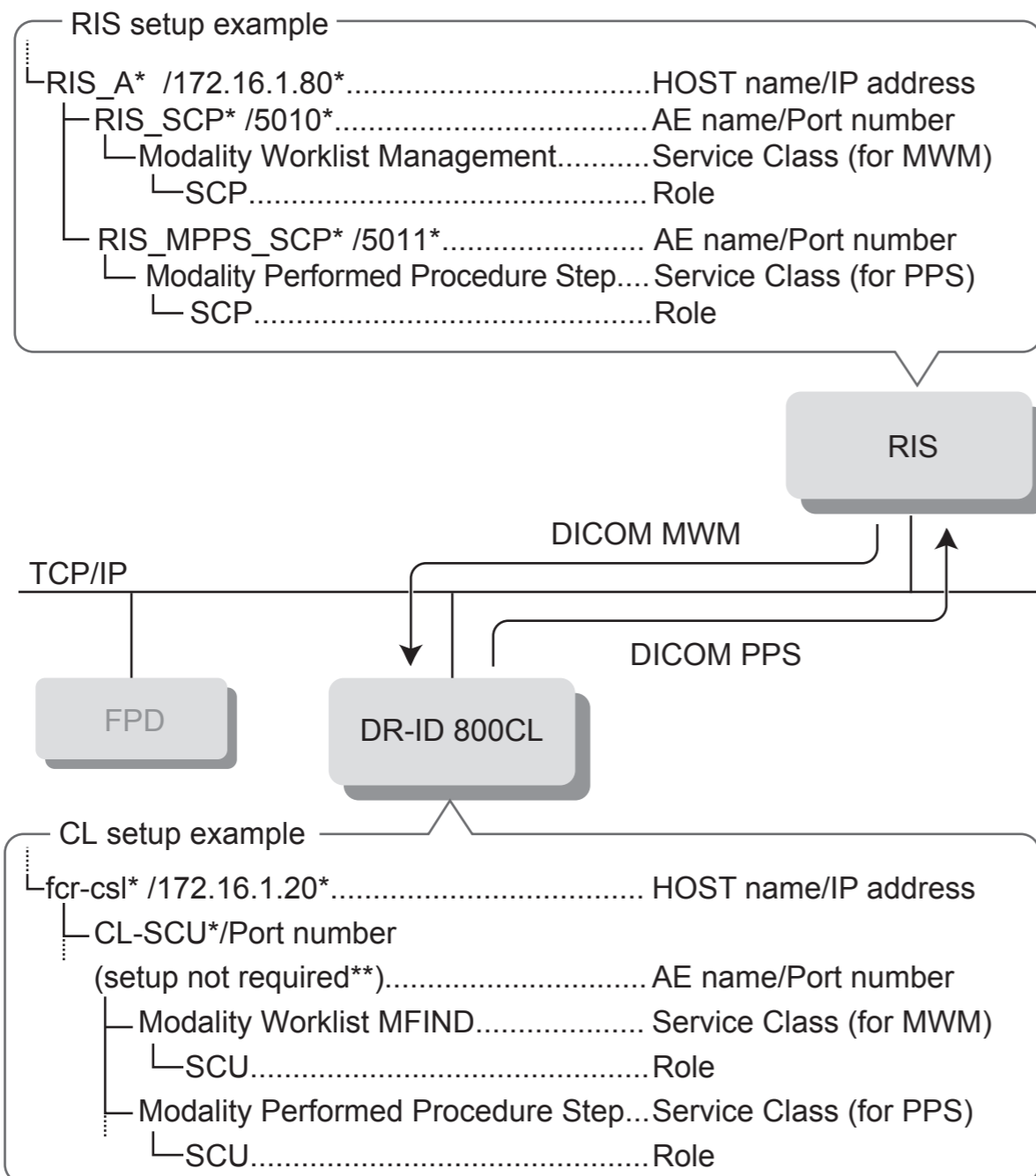
Key Name	Functions Supported
DX CL DICOM ORDER MWM key*	Modality Worklist Management (patient information and exposure menu)
DX CL DICOM ID MWM key*	Modality Worklist Management (only patient information)
DX CL DICOM PPS key	Performed Procedure Step

* Variation

■ Connection/setup examples

The following connection/setup examples are used in this chapter to describe the setup procedure.

● When not using PPS cache server

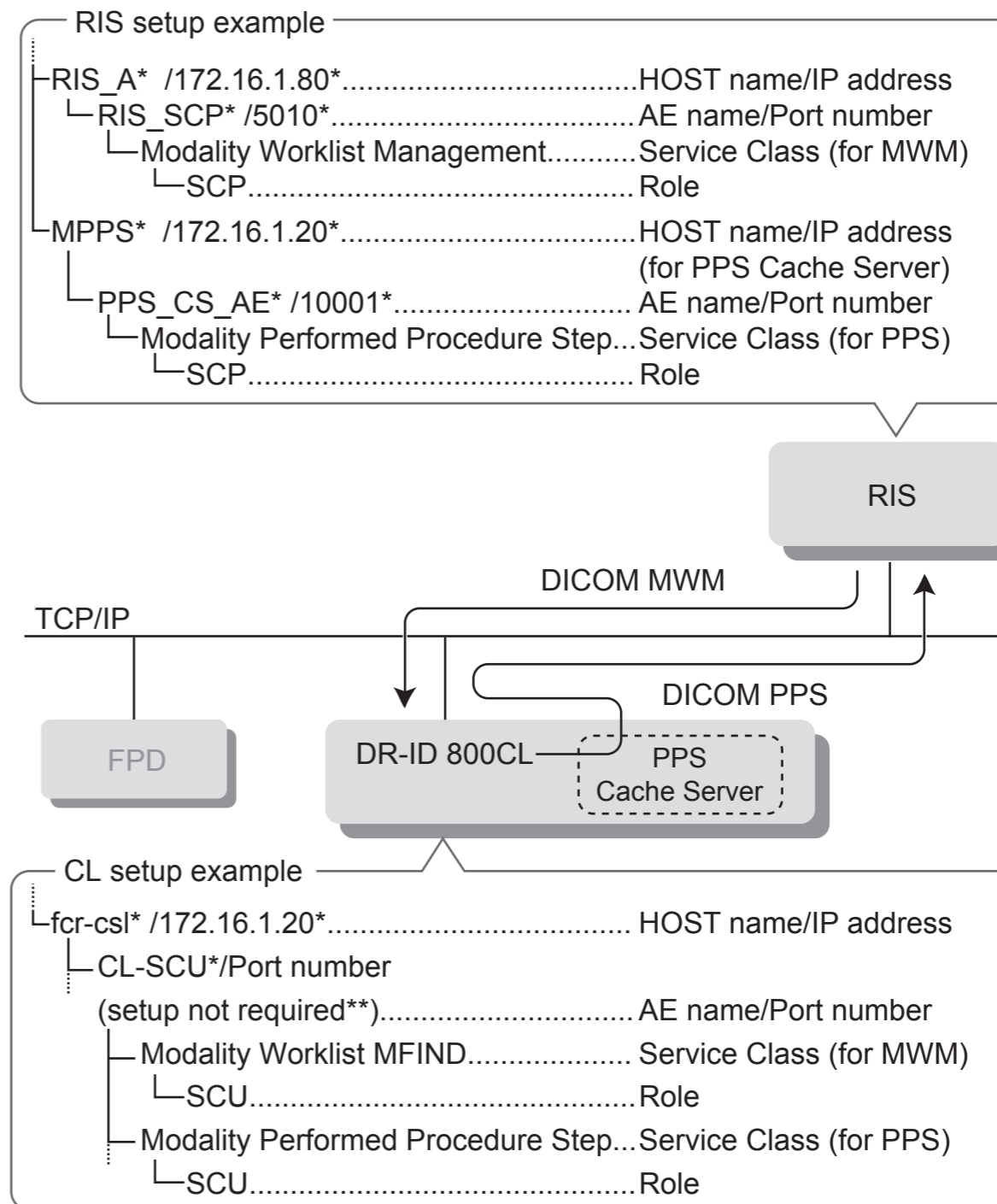


* Setup examples that need be changed depending on the equipment or network environment.

** Port number needs not be set up for the Service Class when the Role is SCU.

D80C020813005.ai

● When using PPS cache server

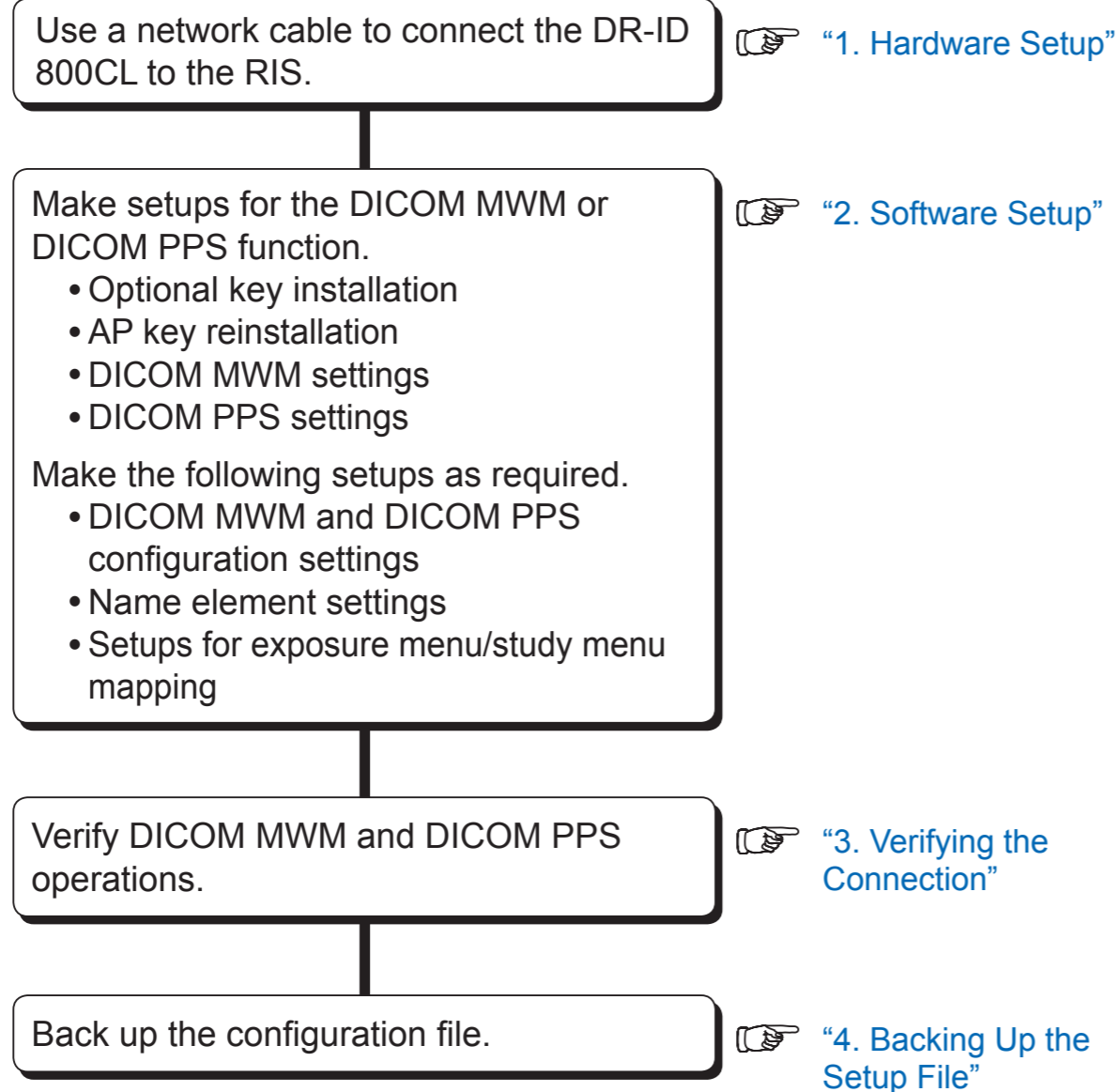


* Setup examples that need be changed depending on the equipment or network environment.

** Port number needs not be set up for the Service Class when the Role is SCU.

D80C020813006.ai

Overall operation flow



MWM/PPS configuration setting information [reference]

When performing DICOM MWM or DICOM PPS setup, you might have to perform configuration setup procedures (IMAGE MODALITY and CSL/IDT FUNCTION) in addition to a normal DICOM connection setup procedure depending on the specifications for the RIS to be connected. Details are given below.

 For detailed setup procedure, see “2.5 MWM/PPS Configuration Setup”.

- When the employed RIS does not support the PPS (or makes the PPS inoperative)
Select “No” for IMAGE MODALITY No. 18 (Display Performed Procedure on Worklist Tab). Select “Yes” if the PPS is supported. When the PPS function is not used, the information about the end of study cannot be returned to the RIS. This causes the system to send data about patients who have gone through a study process back to the RIS. For this reason, such data is displayed unavoidably. This configuration setting is used to avoid this situation. When “No” is selected as the configuration setting, the data about patients who have gone through a study process will be deleted from the DR-ID 800CL worklist.
- When the employed RIS is manufactured by T company.
When T’s RIS is used, consult with the hospital administrator to determine whether or not to enable the following configuration settings.
 - Setting the method of inquiring at the RIS
The DR-ID 800CL acquires patient information in accordance with a trigger signal from the RIS.
 - Setting the compliance with the JJ1017 guideline in Japan
The following three items of information will be displayed within the exposure menu information sequence.
 - First information item : Exposure technique (Plain, Contrast, etc.)
 - Second information item : Exposure region (Head, Chest, etc.)
 - Third information item : Direction of exposure (Frontal, Lateral, etc.)

-
- When the employed RIS is capable of acquiring exposure status information through a private tag

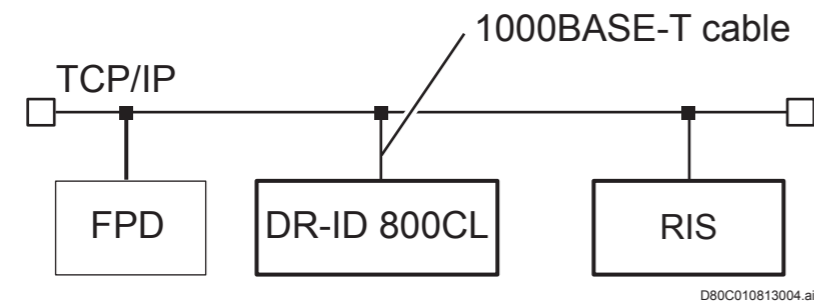
When the RIS is capable of acquiring exposure status information through a private tag, additional PPS items can be set. These items should be enabled or disabled in accordance with actual operations at the hospital.

The following additional items can be set.

- Exposure status sequence
- Number of split exposures
- Exposure status

1. Hardware Setup

Connect the DR-ID 800CL to the RIS via networks as illustrated below.

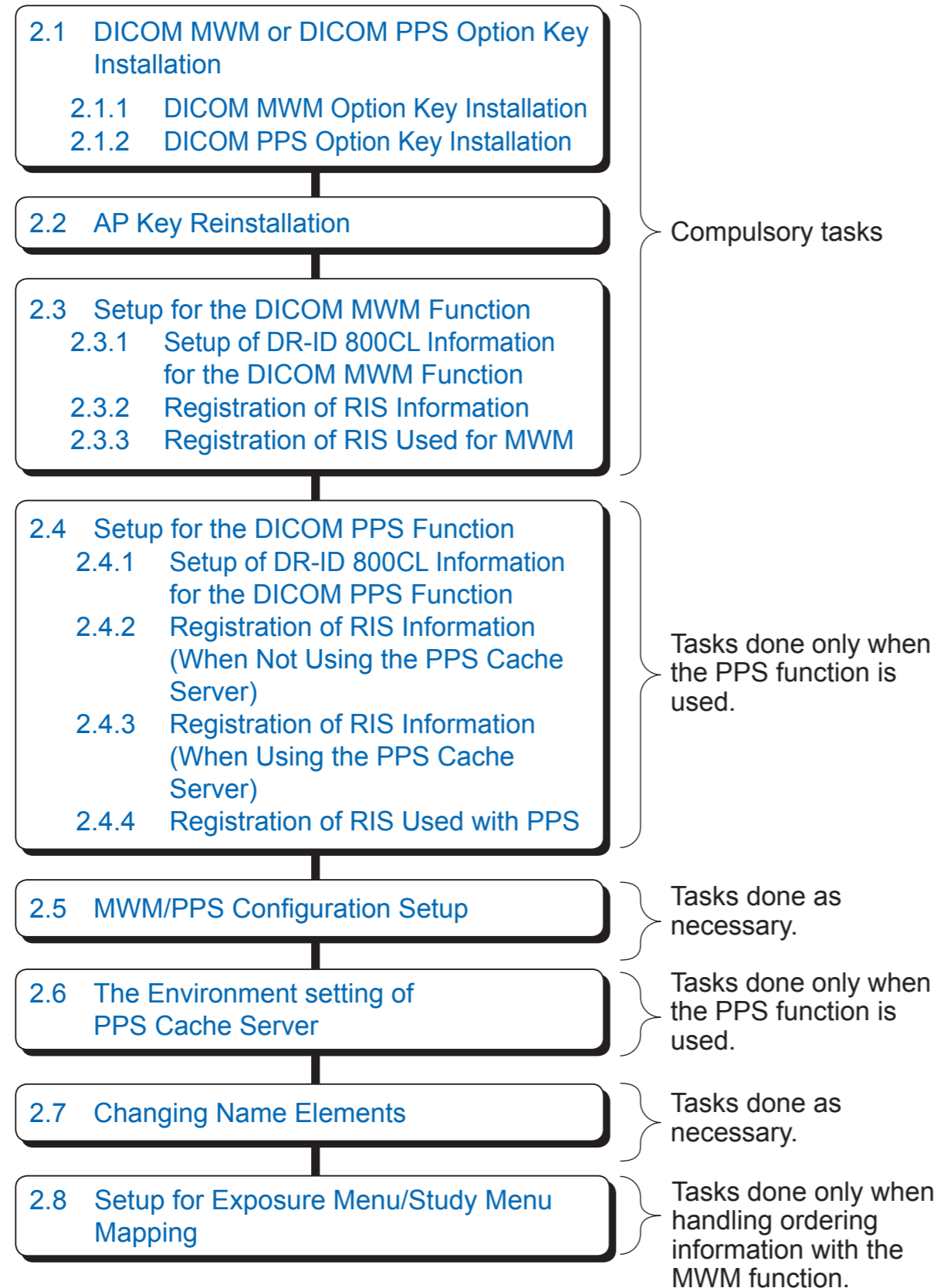


◆ NOTE ◆

- Do not connect the telephone line to the DR-ID 800CL network connectors.
- The cable type applicable to the DR-ID 800CL is the IEC950/UL1950-compliant UTP cable of enhanced category 5 or higher.

2. Software Setup

Set up software for the DR-ID 800CL as follows.



2.1 DICOM MWM or DICOM PPS Option Key Installation

◆ NOTE ◆

Both MWM (ORDER) and MWM (ID) option keys can be installed.

2.1.1 DICOM MWM Option Key Installation

1. Connect the USB disk drive (JIG) to the USB port of the Mobile X-ray Unit.
2. Insert the DICOM MWM option key disk into the disk drive.
→ Within several seconds, the installation start window opens.

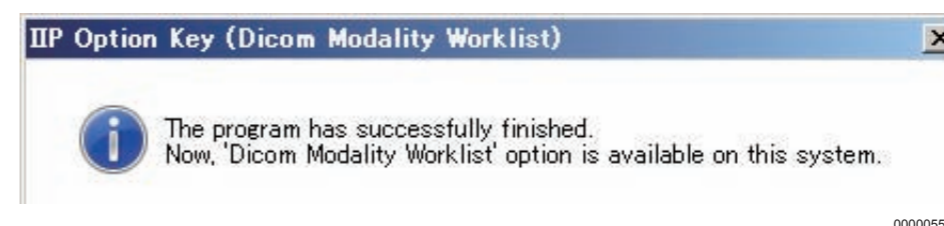
◆ NOTE ◆

In case the installation start window does not open automatically, double-click the execution file (Filename extension: exe) in the Disk.



3. Click  .

→ A window opens to indicate the completion of installation.



4. Click  .

→ The system returns to the desktop screen.

5. Remove the Disk from the disk drive.

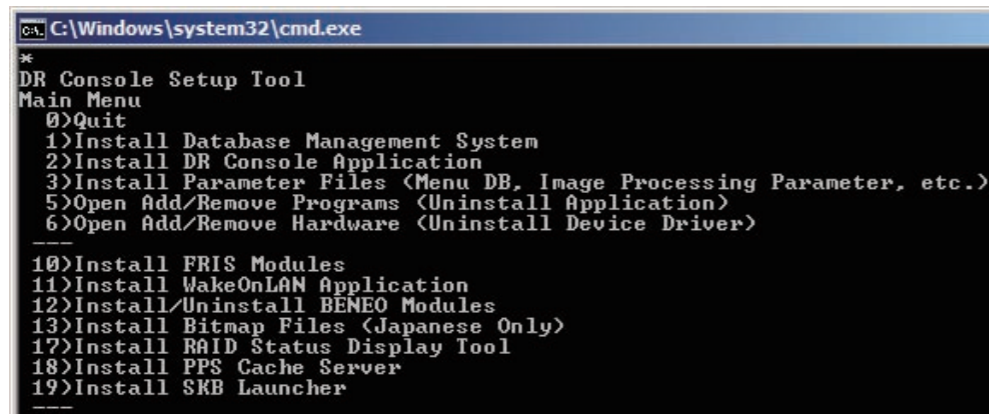
2.1.2 DICOM PPS Option Key Installation

■ Installing the PPS cache server (Skip this procedure if not required)

1. Insert the DR-ID 800CL-AP Disk into the disk drive.
→ The “DR Console Setup Tool” main menu opens automatically.

◆ NOTE ◆

In case the installation start window does not open automatically, double-click the execution file (Setup.bat) in the Disk.



```
CA: C:\Windows\system32\cmd.exe
*
DR Console Setup Tool
Main Menu
0)Quit
1)Install Database Management System
2)Install DR Console Application
3)Install Parameter Files (Menu DB, Image Processing Parameter, etc.)
5)Open Add/Remove Programs (Uninstall Application)
6)Open Add/Remove Hardware (Uninstall Device Driver)
-----
10)Install FRIS Modules
11)Install WakeOnLAN Application
12)Install/Uninstall BENE0 Modules
13)Install Bitmap Files (Japanese Only)
17)Install RAID Status Display Tool
18)Install PPS Cache Server
19)Install SKB Launcher
-----
```

D80C010813011.ai

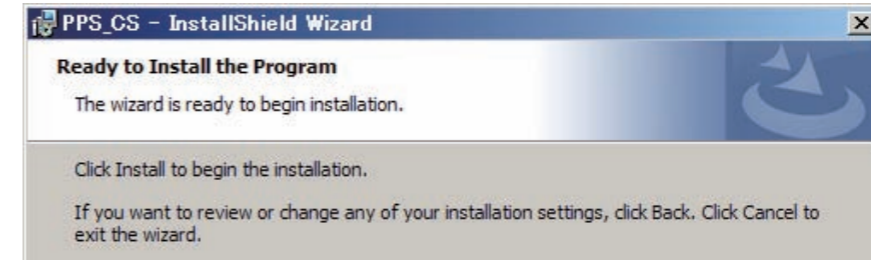
2. Enter “18” and press the <Enter> key.
→ The “PPS_CS - InstallShield Wizard” window opens.



D80C010808005.ai

3. Click **Next >**.

→ The following window opens.



D80C010808006.ai

4. Click **Install**.

→ Installation processing is now complete and the following window opens.



D80C010808007.ai

5. Click **Finish**.

→ The system returns to the “DR Console Setup Tool” main menu.

6. Enter “0” and then press the <Enter> key.

→ The system returns to the desktop screen.

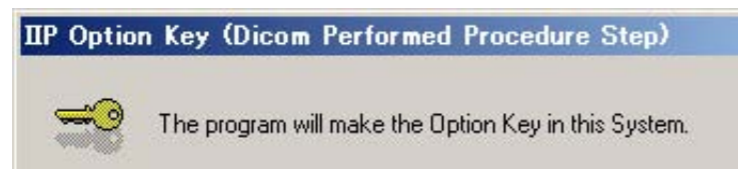
7. Remove the Disk from the disk drive.

■ DICOM PPS option key installation

1. **Insert the DICOM PPS option key disk into the disk drive.**
→ Within several seconds, the installation start window opens.

◆ NOTE ◆

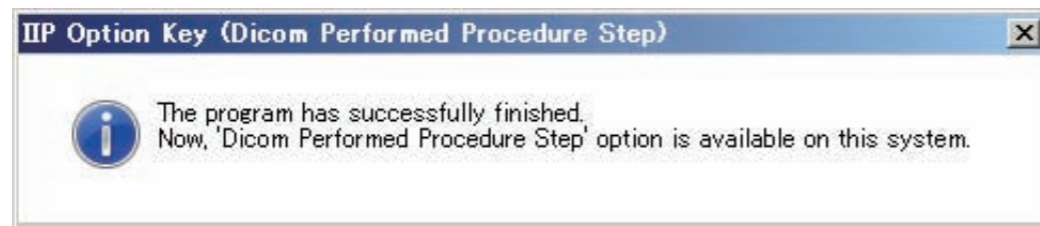
In case the installation start window does not open automatically, double-click the execution file (Filename extension: exe) in the Disk.



CLP0815001.EPS

2. **Click**  .

→ A window opens to indicate the completion of installation.



D80C010813005.ai

3. **Click**  .

→ The system returns to the desktop screen.

4. **Remove the Disk from the disk drive.**

2.2 AP Key Reinstallation

If an option key is installed, be sure to reinstall the AP key.

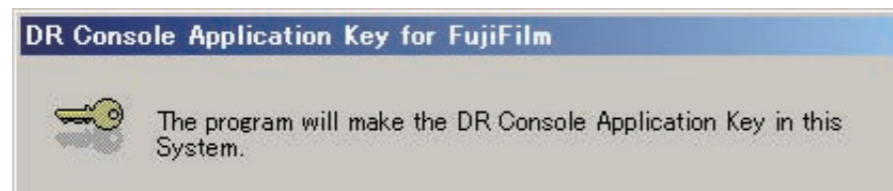
Described below is the procedure to be followed to reinstall the AP key using the AP key Disk.

1. Insert the AP key Disk into the disk drive.

→ After a while, the installation start window automatically opens.

◆ NOTE ◆

In case the installation start window does not open automatically, double-click the execution file (Filename extension: .exe) in the Disk.



DXL309001.ai

2. Click

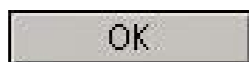


→ A window opens to indicate the completion of installation.



DXL820004.ai

3. Click



→ The system returns to the desktop screen.

4. Remove the Disk from the disk drive.

2.3 Setup for the DICOM MWM Function

Set up DR-ID 800CL and RIS information for the DICOM MWM function.

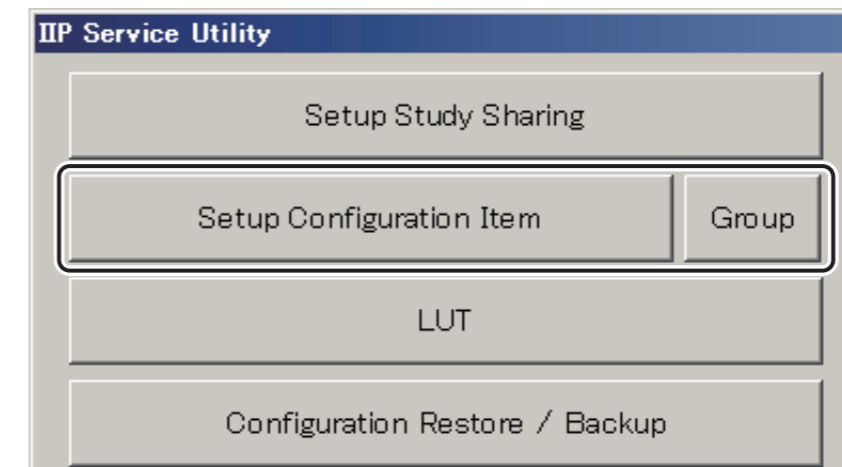
2.3.1 Setup of DR-ID 800CL Information for the DICOM MWM Function

The items listed below must be set up following the procedure described herein using "NETWORK CONFIG" and "THIS HOST (IIP)" of Service Utility mode.

- DR-ID 800CL AE name (Application Entity Name)
- Service Class and Role, Device Attribute (OTHER)
- Other (timeout setting)

1. Start Service Utility mode and click [Setup Configuration Item] window.

☞ For how to start Service Utility mode, see "1. Starting/Exiting the Service Utility" under "MU: Maintenance Utility".



DXCL100810003.ai

→ The "Setup Configuration Item" window opens.



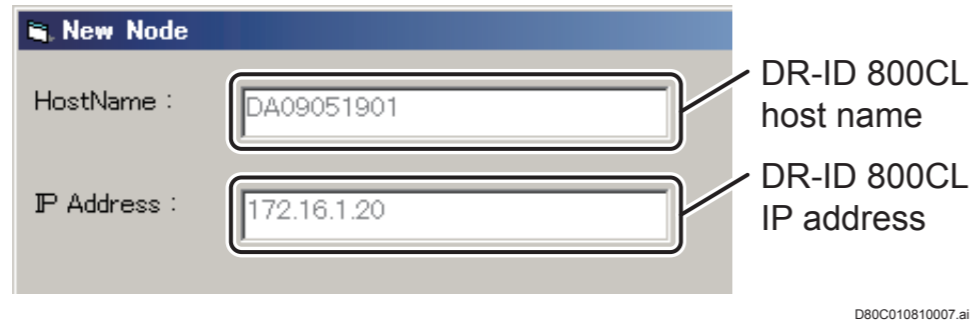
00000404.EPS

2. Click the  mark of the **NETWORK CONFIG** field.

3. Select **THIS HOST (IP)** and click .

→ The “New Node” window opens.

4. Make sure that the DR-ID 800CL host name and IP address are displayed.



The "New Node" dialog box contains two input fields. The first is labeled "HostName :" and contains the text "DA09051901". The second is labeled "IP Address :" and contains the text "172.16.1.20".

DR-ID 800CL host name

DR-ID 800CL IP address

D80C010810007.ai

◆ **NOTE** ◆

The IP address will not be displayed properly unless the DR-ID 800CL is connected to a network.

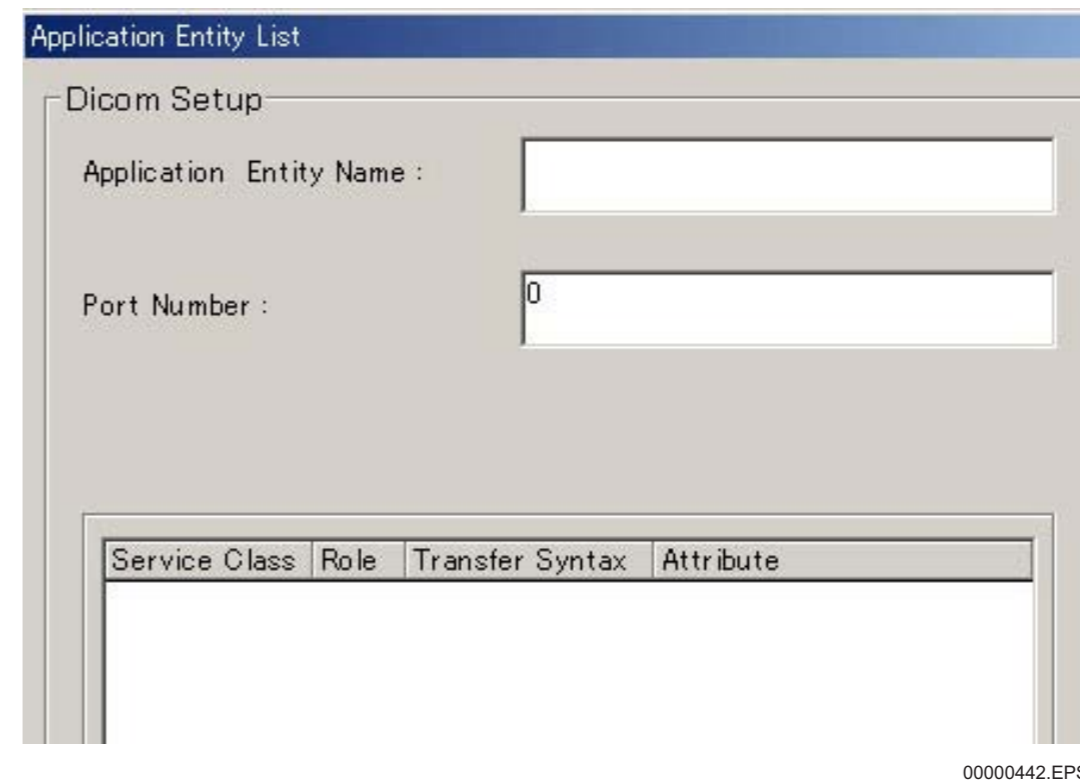
5. Make sure that “DICOM” is selected and click .



The "Add Node" dialog box shows four radio button options: FRUP, DICOM, MPC, and PCU/CF. The DICOM option is selected.

0000093.ai


→ The “Application Entity List” window opens.



The "Application Entity List" dialog box has a "Dicom Setup" section with two input fields: "Application Entity Name :" and "Port Number :". The "Port Number" field contains the value "0". Below these fields is a table with the following headers: "Service Class", "Role", "Transfer Syntax", and "Attribute".

Service Class	Role	Transfer Syntax	Attribute
---------------	------	-----------------	-----------

00000442.EPS

6. Enter the AE name (e.g. CL-SCU) that is the SCU for the DR-ID 800CL in the **Application Entity Name :**  **field.**

◆ **NOTE** ◆

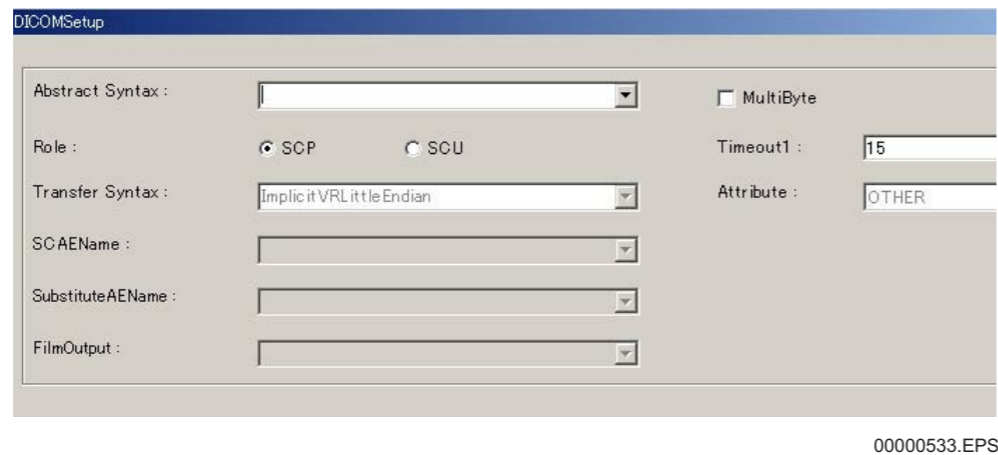
There is no need to set the Port number in the

Port Number :  *(Port number) field.*

When selecting SCU as the Role, the Port number will be disregarded even if it is set.

7. Click .


→ The “DICOMSetup” window opens.




8. Click downward arrow  in the Abstract Syntax :  field to select Service Class (Modality Worklist MFIND).

➔ **REFERENCE**

“Verification” is the Service Class used to verify connection between DICOM equipment units. For verifying connection, “Verification” must have been set.

 For details of verification of connection, see “7. Verifying the Connection to Other Connected Equipment — Verify Connection” under “MU: Maintenance Utility”.

9. To set up the AE that is the User, select  (SCU) for the Role.

10. Set the DICOM inter-message timeout value

Timeout1 :  15 as necessary.

➔ **REFERENCE**

You need not to check .

Even if checked, it will be disregarded if the Role set in step 9, above is the SCU.

11. Click .

→ The system return to the “Application Entity List” window.

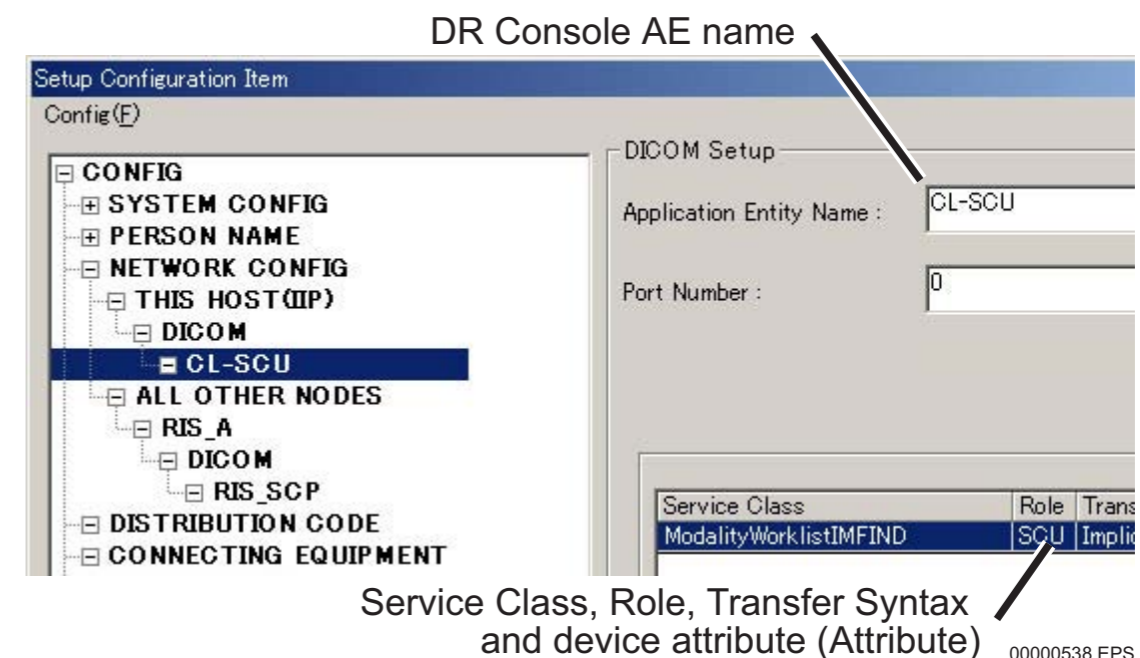
12. Click .

→ The system returns to the “Setup Configuration” window.

➔ **REFERENCE**

• Items just have been set will appear on the right-side area of the “Setup Configuration Item” window. A displayed item can be changed. Whenever it is changed, never fail to click

.



• If the  key is clicked, currently selected items will be deleted.

2.3.2 Registration of RIS Information

The items listed below must be registered following the procedure described herein using “NETWORK CONFIG” and “ALL OTHER NODES” of Service Utility mode.

- RIS host name and IP address
- RIS AE name (Application Entity Name) and Port number
- Service Class, Role and device attribute (OTHER)
- Other (usage of two-byte characters, etc.)

1. Select **ALL OTHER NODES** of the “Setup Configuration Item” window and click **New**.

→ The “New Node” window opens.

2. Makes the following settings.

- Enter the Host name (e.g. RIS_A) in the **HostName :** field.

◆ NOTE ◆

Do not use the following characters for a host name.

*< > & ‘ “ / *

- Enter the IP address (e.g. 172.16.1.80) in the **IP Address :** field.
- Select “DICOM”.

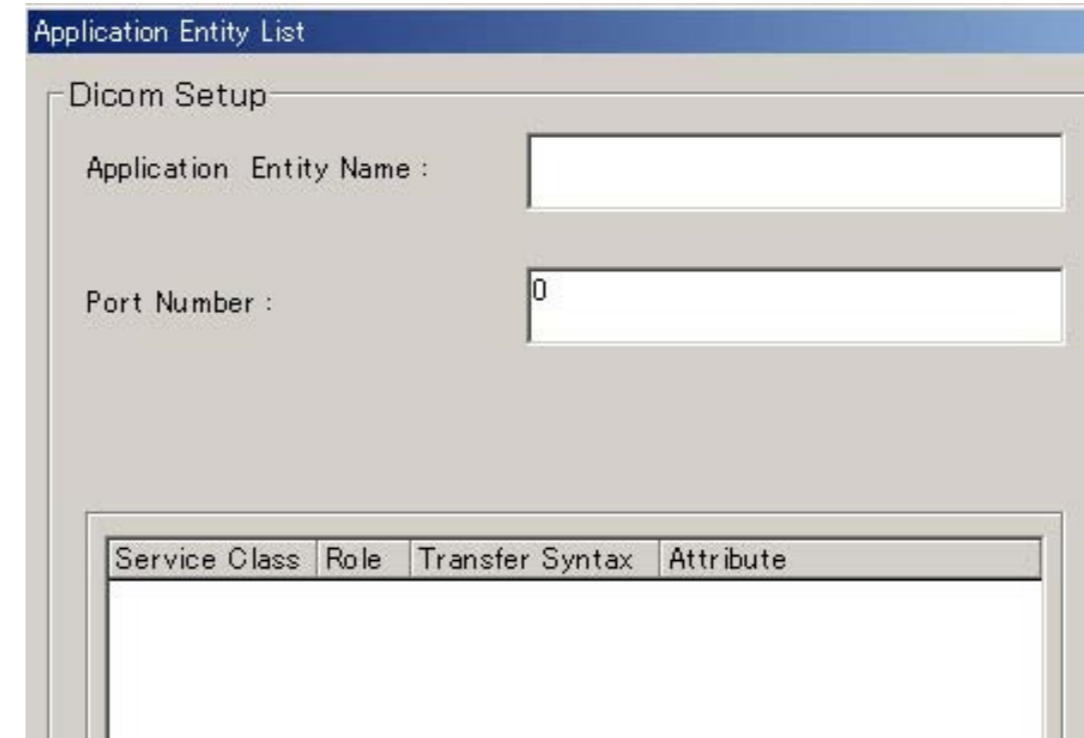


Select “DICOM”.

0000097.ai

3. Click **OK**.

→ The “Application Entity List” window opens for setup of RIS information.



00000444.EPS

4. Make the following settings.

- Enter the RIS AE name (e.g. RIS_SCP) in the **Application Entity Name :** field.

◆ NOTE ◆

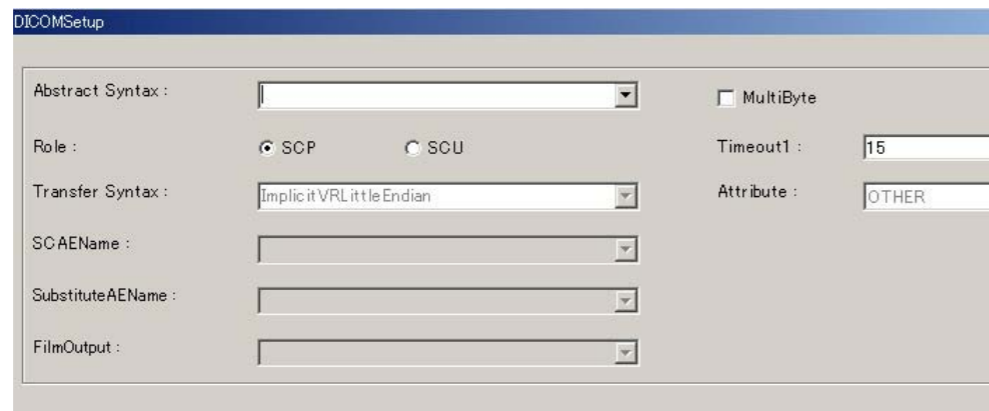
- *Never fail to enter the SCP AE name.*
- *Be sure to enter the upper- or lower-case characters correctly.*

- Enter the RIS Port number (e.g. 5010) in the **Port Number :** field.

Port Number : field.

5. Click .

→ The “DICOMSetup” window opens.



00000533.EPS

6. Click downward arrow  in the **Abstract Syntax :**  field to select **Service Class (Modality Worklist MFIND)**.

7. Because the RIS AE is the Provider, make sure that  **SCP** (SCP) is selected for the Role.

8. To handle two-byte characters, check the  **MultiByte** box ( → ).

➔ REFERENCE

 **Timeout1 :**  **15** *needs not be set. Even if set, it will be disregarded.*


9. Click .

→ The system returns to the “Application Entity List” window.

10. Click .

→ The system returns to the “Setup Configuration Item” window.

2.3.3 Registration of RIS Used for MWM





1. Click  of the “Setup Configuration Item” window.

→ A list of connecting equipment units appears on the right-side area of the window.

2. Click .

→ The “Connecting Equipment” window opens.

3. Make the following settings.

- Click downward arrow  in the **Function :**  field to select function (MWM) of the connecting equipment.
- Click downward arrow  in the **Equipment #1 :**  field to select AE name (e.g. RIS_SCP).

4. Click .

→ The system returns to the “Setup Configuration Item” window.

5. Use the “Config” menu to save the setup data.

2.4 Setup for the DICOM PPS Function

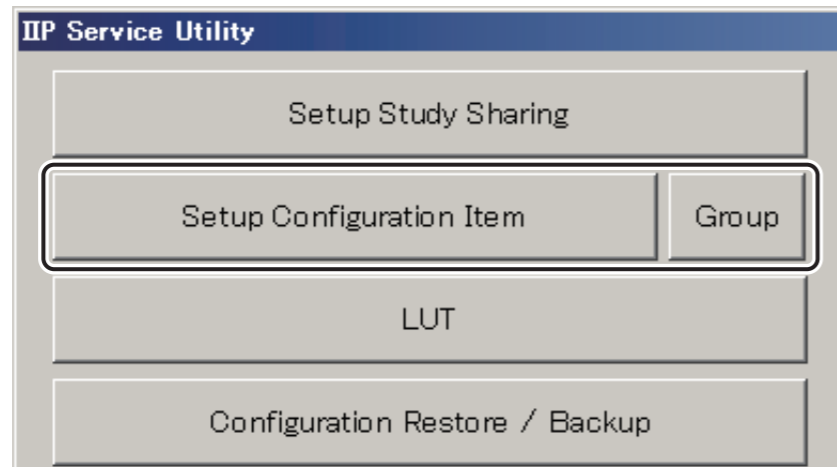
Set up DR-ID 800CL and PPS cache server information for the DICOM PPS function.

2.4.1 Setup of DR-ID 800CL Information for the DICOM PPS Function

Following are the items to be set according to the procedure described herein. Use Service Utility “NETWORK CONFIG” — “THIS HOST (IIP)” for setup purposes.

- DR-ID 800CL AE name and device attribute [Already set in 2.3]
- Service Class and Role
- Other (timeout setting)

1. Click [Setup Configuration Item] of the “IIP Service Utility” window.



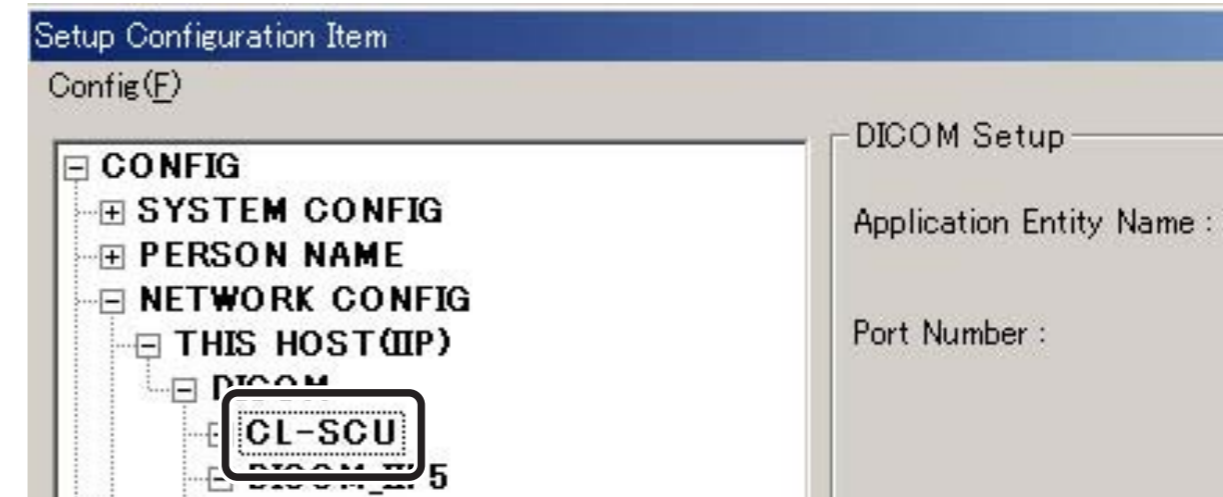
DXCL100810003.ai

→ The “Setup Configuration Item” window opens.



00000404.EPS

2. Select **NETWORK CONFIG** — **THIS HOST (IIP)** — **DICOM** — **CL_SCU** (DR-ID 800CL AE name).

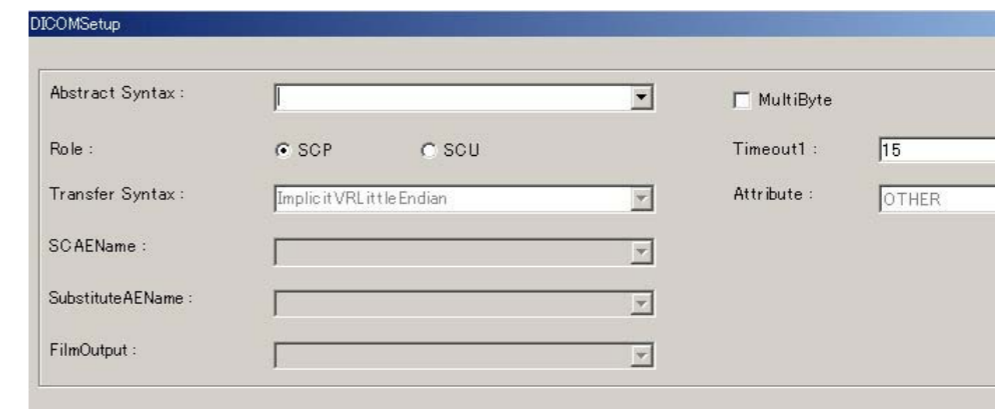


00000539.EPS


→ The right-hand side of the window will change to the “DICOMSetup” window.

3. Click **New**.

→ The “DICOMSetup” window opens.




00000533.EPS

-
4. Click downward arrow  in the Abstract Syntax : field to select Service Class (Modality Performed Procedure Step).

➔ **REFERENCE**

“Verification” is the Service Class used to verify connection between DICOM equipment units. For verifying connection, “Verification” must have been set.

 **For details of verification of connection, see “7. Verifying the Connection to Other Connected Equipment — Verify Connection” under “MU: Maintenance Utility”.**

5. To set up the AE that is the User, select SCU (SCU) for the Role.

➔ **REFERENCE**

When setting up “SCU”, items in the “DICOMSetup” window that need not be set will be hidden.

6. Set the DICOM inter-message timeout value (Timeout1 : 15) as necessary.

◆ **NOTE** ◆

Set a value greater than “15” in Timeout1 : 15 .

If a value lower than “14” is set and the connection with the PPS is not established, the study list window may not be operated.

➔ **REFERENCE**

You need not to check MultiByte .

Even if checked, it will be disregarded if the Role set in step 5, above is the SCU.

7. Click .

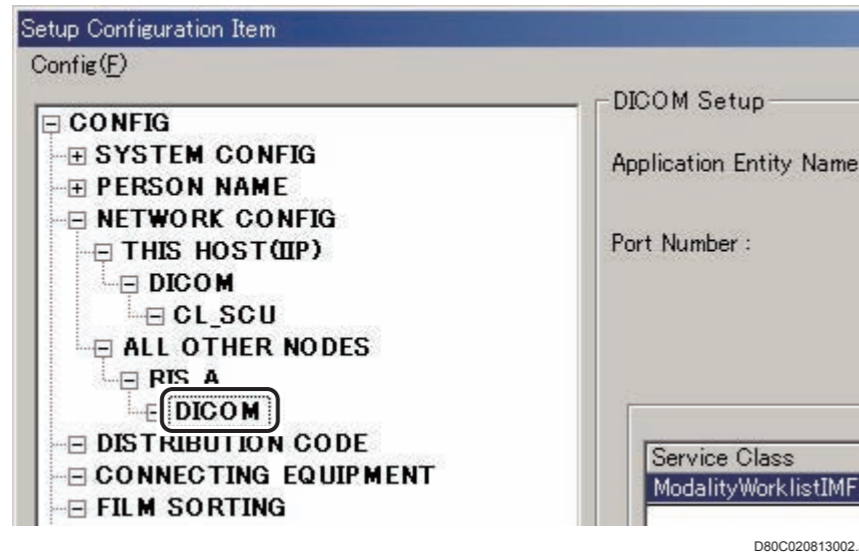
➔ You are returned to the “Setup Configuration Item” window.

2.4.2 Registration of RIS Information (When Not Using PPS Cache Server)

Following are the items to be set according to the procedure described herein. Use Service Utility “NETWORK CONFIG” — “ALL OTHER NODES” for setup purposes.

- RIS host name and IP address [Already set in 2.3]
- RIS AE name, port number and device attribute
- Service Class and Role
- Other (usage of two-byte characters)

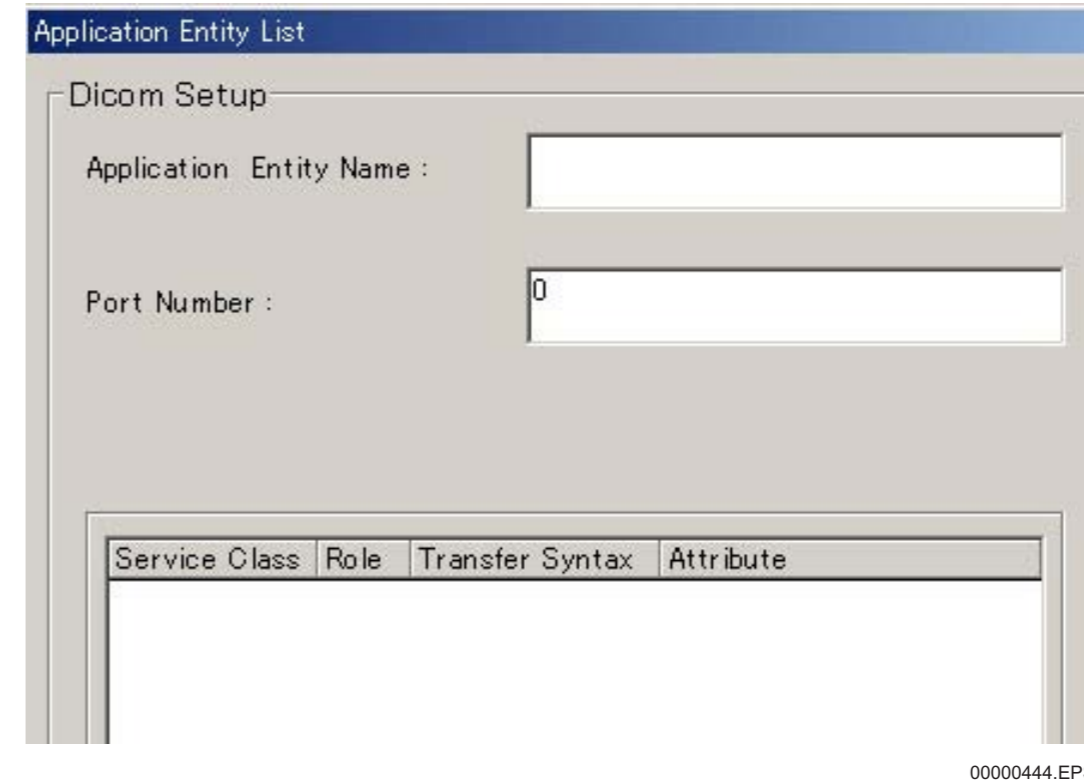
1. Select **+** NETWORK CONFIG — **+** ALL OTHER NODES — **+** RIS_A (RIS host name) — **+** DICOM in the “Setup Configuration Item” window.



→ The right-hand side of the window will change to the “DICOMSetup” window.

2. Click **New**.

→ The “Application Entity List” window opens for setup of RIS information.



3. Make the following settings.

- Enter the RIS AE name (e.g. RIS_MPPS_SCP) in the Application Entity Name : field.

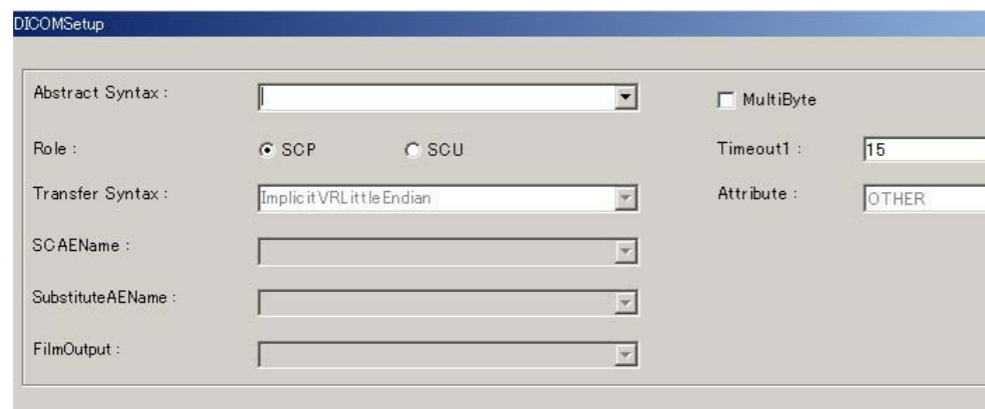
◆ NOTE ◆

- Never fail to enter the SCP AE name.
- Be sure to enter the upper- or lower-case characters correctly.

- Enter the RIS Port number (e.g. 5011) in the Port Number : field.

4. Click .

→ The “DICOMSetup” window opens.



00000533.EPS

5. Click downward arrow  in the **Abstract Syntax :**  field to select **Service Class (Modality Performed Procedure Step)**.

6. Because the RIS AE is the Provider, make sure that  **SCP** (SCP) is selected for the Role.

7. To handle two-byte characters, check the  **MultiByte** box ( → ).

➔ REFERENCE

 **Timeout1 :**  *needs not be set. Even if set, it will be disregarded.*

8. Click .

→ The system returns to the “Application Entity List” window.

9. Click .

→ The system returns to the “Setup Configuration Item” window.

2.4.3 Registration of RIS Information (When Using PPS Cache Server)

Following are the items to be set according to the procedure described herein. Use Service Utility “NETWORK CONFIG” — “ALL OTHER NODES” for setup purposes.

- PPS cache server host name and IP address
- PPS cache server AE name, port number and device attribute
- Service Class and Role
- Other (usage of two-byte characters)

1. Select **ALL OTHER NODES** of the “Setup Configuration Item” window and click **New**.

2. Make the following settings.

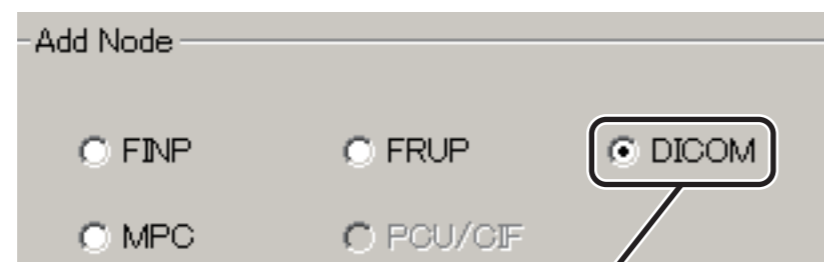
- Enter the Host name (e.g. MPPS) in the **HostName :** field.

◆ **NOTE** ◆

Do not use the following characters for a host name.
<> & ‘ “ / \

- Enter the IP address of the “Eth0” side of this equipment (172.16.1.20) in the **IP Address :** field.

- Select “DICOM”.

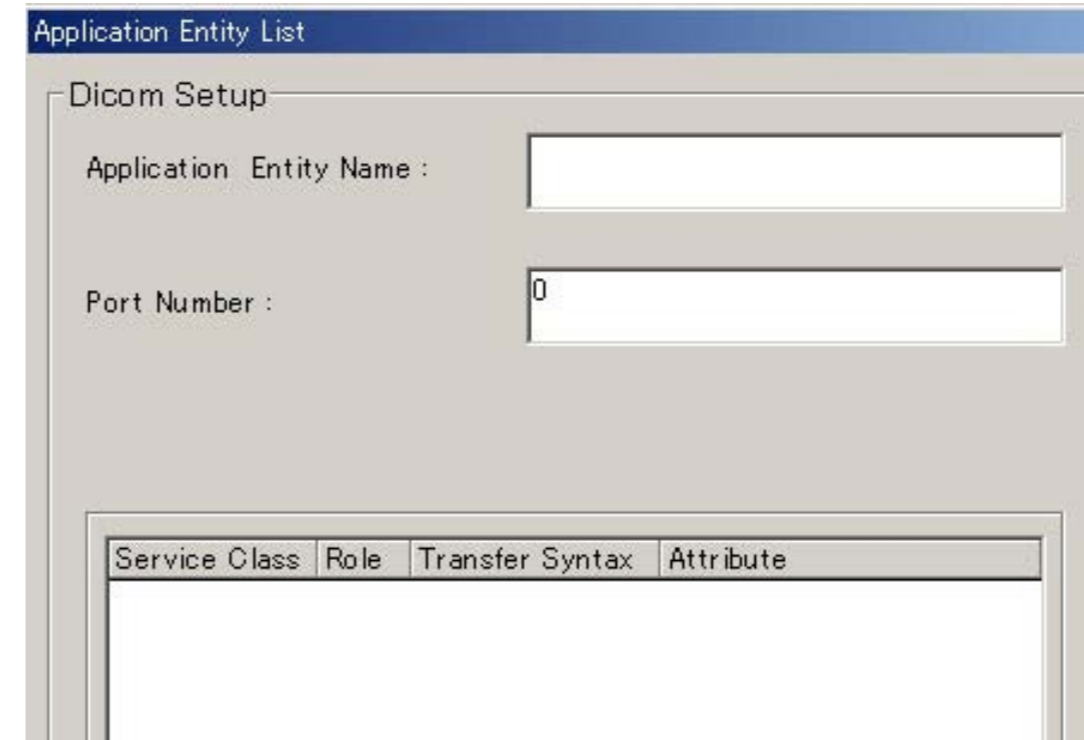


Select “DICOM”.

0000097.ai

3. Click **OK**.

→ The “Application Entity List” window opens for setup of RIS information.



00000444.EPS

4. Make the following settings.

- Enter the RIS AE name (e.g. PPS_CS_AE) in the **Application Entity Name :** field.

◆ **NOTE** ◆

- *Never fail to enter the SCP AE name.*
- *Be sure to enter the upper- or lower-case characters correctly.*

- Enter the RIS Port number (e.g. 10001) in the **Port Number :** field.

5. Click .

→ The “DICOMSetup” window opens.

00000533.EPS

6. Click downward arrow  in the **Abstract Syntax :**  field to select **Service Class (Modality Performed Procedure Step)**.

7. Because the RIS AE is the Provider, make sure that  **SCP** (SCP) is selected for the Role.

8. To handle two-byte characters, check the  **MultiByte** box ( → ).

➔ REFERENCE

 **Timeout1 :**  *needs not be set. Even if set, it will be disregarded.*


9. Click .

→ The system returns to the “Application Entity List” window.

10. Click .

→ The system returns to the “Setup Configuration Item” window.

2.4.4 Registration of RIS Used with PPS



1. Click  on the “Setup Configuration Item” window.



→ A list of registered equipment appears in the right-side area of the window.

2. Click .

→ The “Connecting Equipment” window opens.

3. Perform the following setup steps.

○ Click downward arrow  in the **Function :**  field and select the function (PPS) of the connected device.

○ Click downward arrow  in the **Equipment #1 :**  field and select the AE name (e.g.: RIS_MPPS_SCP, or PPS_CS_AE).

4. Click .

→ You are returned to the “Setup Configuration Item” window.

5. Use the “Config” menu to save the setup data.

2.5 MWM/PPS Configuration Setup

Perform the following configuration setup procedures, which are related to the MWM or PPS.

- General settings for MWM/PPS
- Setting the method of inquiring at the RIS
- Setting the additional MWM inquiry items
- Settings for the compliance with the JJ1017 guideline in Japan.
- Setting the additional PPS items to be returned to the RIS
- Embedding the exposure information into a PPS standard tag
- Setting the MWM Code Meaning as a menu name
- Settings for regenerating studyInstanceUID for a study acquired using the MWM function
- Settings of PPS cache server

2.5.1 General Settings for MWM/PPS

1. From the “Setup Configuration Item” window, choose

SYSTEM CONFIG, then **1.IMAGE MODALITY**.

→ The display shows the setup items about DR-ID 800CL system information.

2. Make the following configuration settings.

No.	Name	Meaning
16	SOP Class UID for PPS When No FILE Attribute Output	<p>SOP Class UID to be returned to the PPS when the OD_FILE attribute output destination is not registered at the DR-ID 800CL.</p> <p>* SOP Class UID will be sent back to PPS as follows.</p> <p>(1) : If the destination for output is set in User Utility, SOP class of its destination for output will be applied.</p> <p>(2) : If the destination for output is not set in User Utility, the topmost SOP class which is set to the distribution code will be applied.</p> <p>(3) : If (1) and (2) above are not set, the setting of No. 16 will be applied.</p>
17	Protocol Name for PPS	Value to be set for the protocol name of the PPS.
18	Display Performed Procedure on Worklist Tab	<p>This item is used to specify whether the DR-ID 800CL Network WL should display completed studies. Even if the MWM sends information about completed studies, they will not be displayed when “No” is selected as the setting.</p> <p>Select “No” when the PPS function cannot be used.</p>

3. Choose **SYSTEM CONFIG**, then **5.CSL/IDT FUNCTION**.

→ The display shows on its right-hand side the setup items about the IDT function.

4. Make the following configuration settings.

No.	Name	Meaning
15	Examination No. Length (Character string length of the Accession no.)	These items are used to change the character string length in accordance with RIS settings.
17	Patient ID Length (Character string length of the patient ID.)	
22	Requesting Dept Name Field Setup (Setups for the menu contents to be displayed in the Requesting Department field.)	This item selects Sbcs or Dbcs in accordance with RIS settings.

5. Use the “Config” menu to save the edited data.

2.5.2 Setting the Method of Inquiring at the RIS

■ Function overview

There are the following three methods of making patient information inquiries at the RIS.

- Trigger signal from the RIS (only with wired connection)
- Update procedure to be performed at the DR-ID 800CL - 1
- Update procedure to be performed at the DR-ID 800CL - 2

- Trigger signal from the RIS (only with wired connection)

When the DR-ID 800CL receives a trigger signal from the RIS, the DR-ID 800CL makes inquiries at the RIS to acquire patient information.

An automatic transition occurs to switch from the worklist tab window to the study start window only when one piece of study information is acquired.

◆ NOTE ◆

- *Trigger signal setup is to be performed only when the connection to T company’s equipment is established.*
- *When two or more pieces of study information are received at a time, the display does not automatically switch to the study start window but the study information remains within the worklist tab.*
- *The RIS trigger signal is accepted only when the DR-ID 800CL worklist tab is selected. If the RIS transmits the trigger signal while a tab other than the worklist tab is selected, a timeout occurs at the RIS.*

- Update procedure to be performed at the DR-ID 800CL - 1
A procedure is performed at the DR-ID 800CL to acquire information that is registered at the RIS. Inquiries can be automatically made at fixed intervals (user-selectable).

- Update procedure to be performed at the DR-ID 800CL - 2
A procedure is performed at the DR-ID 800CL to acquire information that is registered at the RIS. Inquiries can be automatically made at fixed intervals (user-selectable). An automatic transition occurs to switch from the worklist tab window to the study start window only when one piece of study information is acquired.

■ Setup procedure

1. From the “Setup Configuration Item” window, choose

SYSTEM CONFIG, then **5.CSL/IDT FUNCTION**.

→ The display shows on its right-hand side the setup items about the IDT function.

2. With configuration item No. 66, select an inquiry method, and then set RIS information for items No. 64 and 65.

No.	Name	Meaning
64	MWM RIS Trigger Port	RIS trigger reception port number for MWM use. Enter a numerical value in accordance with the RIS trigger reception port.
65	MWM RIS Trigger Timeout	RIS trigger reception timeout value (sec) for MWM use.
66	MWM Execute Study Type	Study start method for MWM use. Select a method in accordance with the RIS specifications and actual hospital operations. 0: Manual (default) Update procedure to be performed at the DR-ID 800CL. 1: Trigger RIS trigger signal. 2: Auto Update procedure to be performed at the DR-ID 800CL (automatic window transition).

3. Use the “Config” menu to save the edited data.

2.5.3 Setting Additional MWM Inquiry Items

■ Function overview

When the PPS is supported, the same information as listed below will be returned to the RIS.

Description	DICOM Tag	Meaning
Exposure Dose Sequence	0040,030E	Exposure dose sequence.
>Radiation Mode	0018,115A	Radiation mode.
>KVp	0018,0060	X-ray generator tube voltage [kV] to be used.
>X-ray Tube Current in μ A	0018,8151	X-ray tube current [μ A].
>Exposure Time	0018,1150	X-ray exposure time [ms].
>Filter Type	0018,1160	Label on the filter placed in the X-ray beam.
>Filter Material	0018,7050	X-ray absorption filter material.

■ Setup procedure

To add the aforementioned tags to the MWM inquiry items, add them to C-FIND RQ with DICOM Tag Edit Tool.

 For details of the tag addition procedures, see “[Appendix J DICOMTagEditTool](#)” in “[MU: Maintenance Utility](#)”.

2.5.4 Settings for the Compliance with the JJ1017 Guideline (Applicable only in Japan)

■ Function overview

When JJ1017 compliance setup is performed, the following three items of information are used within the exposure menu information sequence to decide on the exposure menu.

First information item : Exposure technique (Plain, Contrast, etc.)

Second information item : Exposure region (Head, Chest, etc.)

Third information item : Direction of exposure (Frontal, Lateral, etc.)

◆ NOTE ◆

Setup is to be performed only for the connection to the equipment manufactured by T company.

➔ REFERENCE

At the DR-ID 800CL, three values of the codes [(0040,0008)>(0008,0100)] fed from the RIS are sequentially concatenated and used as an extended menu code. If, for instance, three menus are fed, a total of nine codes exist. Sets of three items of information are sequentially concatenated, beginning with the leading one, and used as an extended menu code.

■ Setup procedure

1. From the “Setup Configuration Item” window, choose

SYSTEM CONFIG, then **5.CSL/IDT FUNCTION**.

➔ The display shows on its right-hand side the setup items about the IDT function.

2. Select “1: JJ1017” for the following configuration setting.

No.	Name	Meaning
68	Exposure Menu Code Treatment	Exposure menu code system for MWM use. This item is used to specify the setting in accordance with the RIS specifications. 0: Normal (default) 1: JJ1017 2: JJ1017(Ver3)

3. Use the “Config” menu to save the edited data.

2.5.5 Setting the Additional PPS Items to be Returned to the RIS

■ Function overview

The information about exposure status can be added as the PPS information to be returned to the RIS.

A private tag is used to return the information.

Description	DICOM Tag	Meaning
Exposure Status Sequence	0019,XXA0	Exposure status sequence.
>Division Count	>0019,XX71	Number of split exposures.
>Exposure Status	>0019,XXA1	Exposure status (NORMAL: Normal exposure; MIS: Improperly exposed image).
>Exposure Kind	>0019,XXA2	Exposure kind (NORMAL: Normal; ADD: Additional; AGAIN: Reexposure).
Distance Source to Detector	>0018,1110	Distance between X-ray source and detector.

■ Setup procedure

1. From the “Setup Configuration Item” window, choose

SYSTEM CONFIG, then **5.CSL/IDT FUNCTION**.

➔ The display shows on its right-hand side the setup items about the IDT function.

2. Select “1:Status Only” or “2:Status + Other Results” for the following configuration setting.

No.	Name	Meaning
76	PPS Exposure Status Sequence	Specifying whether the PPS should use a private tag to return the information about exposure status (improperly exposed image, reexposure, etc.). 0: No [default] Does not generate output. 1: Status Only Generates exposure status only. 2: Status + Other Results Generates exposure status along with other actual results.

3. Use the “Config” menu to save the edited data.

2.5.6 Embedding the Exposure Information into a PPS Standard Tag

■ Function overview

This function is exercised at the time of PPS study termination notification to map image-incidental information (divided exposure count, exposure status, and exposure kind) with a PPS standard tag and transmit it to the RIS.

◆ NOTE ◆

Although “2.5.5 Setting the Additional PPS Items to be Returned to the RIS” states that a private tag is used to return the information to the RIS, the captioned function maps the exposure information with a standard tag and returns it to the RIS.

■ Setup procedure

1. From the “Setup Configuration Item” window, choose

SYSTEM CONFIG, then 5.CSL/IDT FUNCTION.

→ The display shows on its right-hand side the setup items about the IDT function.

2. Perform the following configuration settings accordingly.

No.	Name	Meaning
90	PPS Exposure Status Mapping Tag	Setting the tag for mapping exposure information (divided exposure count, exposure status, and exposure kind). 0040, 0260 > 0008, 0104 [default] If this field is left blank, the mapping operation does not take place.
91	PPS Exposure Status Mapping Kind	Specifying the exposure information to be mapped. 0: None (default). Does not perform the mapping operation. 1: Div+Status+KindDivided exposure count, exposure status, and exposure kind (all). 2: DivDivided exposure count only. 3: Status+KindExposure status and exposure kind only.

3. Use the “Config” menu to save the edited data.

2.5.7 Setting the MWM Code Meaning as a Menu Name

■ Function overview

The [0040,0100]>[0040,0008]>[0008,0104] Code Meaning acquired from the RIS as the information about a response from the RIS (C-FIND-RSP) will be handled as an exposure menu name. The names received from the RIS will be used as the following menu names:

- Image-level menu names for various study lists
- Menu names for the study/QA window
- Menu names to be displayed on the Image Reader panel
- Menu names indicated on an output film
- Menu names for a filing device/image display device (output device)

■ Setup procedure

1. From the “Setup Configuration Item” window, choose

SYSTEM CONFIG, then 5.CSL/IDT FUNCTION.

→ The display shows on its right-hand side the setup items about the IDT function.

2. Select “Yes” for the following configuration setting.

No.	Name	Meaning
89	MWM Menu Name Mapping	Handling the code meaning acquired as the information about a response from the RIS as an exposure menu name. Yes : Handles as an exposure menu name. No [default] : Does not handle as an exposure menu name.

3. Use the “Config” menu to save the edited data.

2.5.8 Settings for Regenerating StudyInstanceUID for a Study Acquired Using the MWM Function

■ Function overview

Modification is possible if “Yes” is specified for setup item No. 134 of CSL/IDT FUNCTION. Patient information and the like changed following the configuration settings for the UID generation will consequently modify SOPInstanceUID and StudyInstanceUID at the same time.

■ Setup procedure

● Procedure used for performing configuration settings for regeneration of StudyInstanceUID acquired using MWM

1. Select **SYSTEM CONFIG** and then **5.CSL/IDT FUNCTION** on the “Setup Configuration Item” window.

→ The display shows on its right-hand side the setup items about the IDT function.

2. Select “Yes” for the configuration setting below.

No.	Name	Meaning
134	MWM StudyInstanceUID Regeneration	Specifying whether or not to permit the MWM StudyInstanceUID to be regenerated. Yes : Permitted. No : Not permitted (default)

3. Use the “Config” menu to save the setup data.

● Procedure used for performing configuration settings for generation of UID (applicable as necessary)

1. Click the **+** mark in the **SYSTEM CONFIG** field on the “Setup Configuration Item” window.

2. Click **1.IMAGE MODALITY**.

→ Setup item information for the DR-ID 800CL system information appears at the right side of the window.


Address : CONFIG\SYSTEM CONFIG\1.IMAGE MODALITY

NO.	Key	Value
1	System Common Date Format	0:Japanese date(S62.10.07)
2	Alert MSG Display When Deleting Image	Yes
3	Activate Error Recovery Retrial	Yes
4	Institute/Site Name Strings	FUJI FILM HOSPITAL

00000408.EPS

3. Perform the following configuration settings that relate with the UID generation.

Table UID-related setup items (IMAGE MODALITY)

No	Name	Selection	Meaning
9	UID Issuance after Modifying ID Information	<input type="radio"/> YES Issues a new UID. <input checked="" type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when any ID information is modified on the DR-ID 800CL.
10	UID Issuance after Modifying Normalized Parameter	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when image normalization conditions are modified on the DR-ID 800CL.
11	UID Issuance after Modifying Image Processing Parameter	<input type="radio"/> YES Issues a new UID. <input checked="" type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when image processing conditions are modified on the DR-ID 800CL.
12	UID Issuance Before Sending Processed Data	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Specifying whether or not to output an SOP Instance UID as the processed CR image UID when generating processed image output on the DR-ID 800CL.
13	DICOM Series Generation Logic	<input checked="" type="radio"/> 0: 1 Study - N series and 1 Series - 1 image Issues a number so that it has multiple series for one study and only one image for one series. <input type="radio"/> 0: 1 Study - N series and 1 Series - M image Issues a number so that it has multiple series for one study and multiple images for one series. <input type="radio"/> 0: 1 Study - 1 series and 1 Series - N image Issues a number so that it has only one series for one study and multiple images for one series.	Setup of Series Instance UID issuance logic.  See “3.4 Configuration Details – 1. IMAGE MODALITY” under “MU: Maintenance Utility”.

: Default setting

No	Name	Selection	Meaning
39	UID Issuance about a function (except Image Processing) to change to the image themselves	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when the shuttering processing condition is modified on the DR-ID 800CL.
45	UID Issuance after Modifying Trimming Parameter	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when trimming information is modified.
46	UID Issuance after Modifying FNC Parameter	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Whether or not to issue a new image UID or SOP Instance UID when an FNC parameter is modified.
57	UID Issuance after Modifying CRF Parameter	<input checked="" type="radio"/> YES Issues a new UID. <input type="radio"/> NO Does not issue a new UID.	Whether or not to issue an image UID and SOP Instance UID when the CRF parameter (sharpness processing parameter) is modified.

: Default setting

4. Select “Save” from the “Config” menu.

→ A window opens prompting you to confirm the setup data to be saved.

5. Click .

→ The setup data is saved accordingly.

2.5.9 Settings of PPS Cache Server

■ Function overview

By setting the item No.164 in CSL/IDT FUNCTION, you can specify whether or not to use PPS cache server.

■ Setup procedure

1. Select SYSTEM CONFIG and then 5.CSL/IDT FUNCTION on the “Setup Configuration Item” window.

→ The display shows on its right-hand side the setup items about the CSL/IDT function.

2. Select “Yes” for the configuration setting below.

No.	Name	Selection	Meaning
164	Use PPS Cache Server	<input checked="" type="radio"/> No Does not use the PPS Cache server. <input type="radio"/> Yes Uses the PPS Cache server.	Specifying whether or not to use the PPS Cache server.

: Default setting

3. Select “Save” from the “Config” menu.

→ A window opens prompting you to confirm the setup data to be saved.

4. Click .

→ The setup data is saved accordingly.


2.6 The Environment Setting of PPS Cache Server

1. Click  at the lower left corner of the window.

→ The PPS main window opens.

◆ NOTE ◆

If the PPS cache server does not start, perform the following procedure.

- I. From the  menu, sequentially select “All Programs”, “Startup” and “PPS-CS”.
→ The “Windows Security Alert” window opens.
- II. Place a checkmark to “Public network...” and click [Allow access].

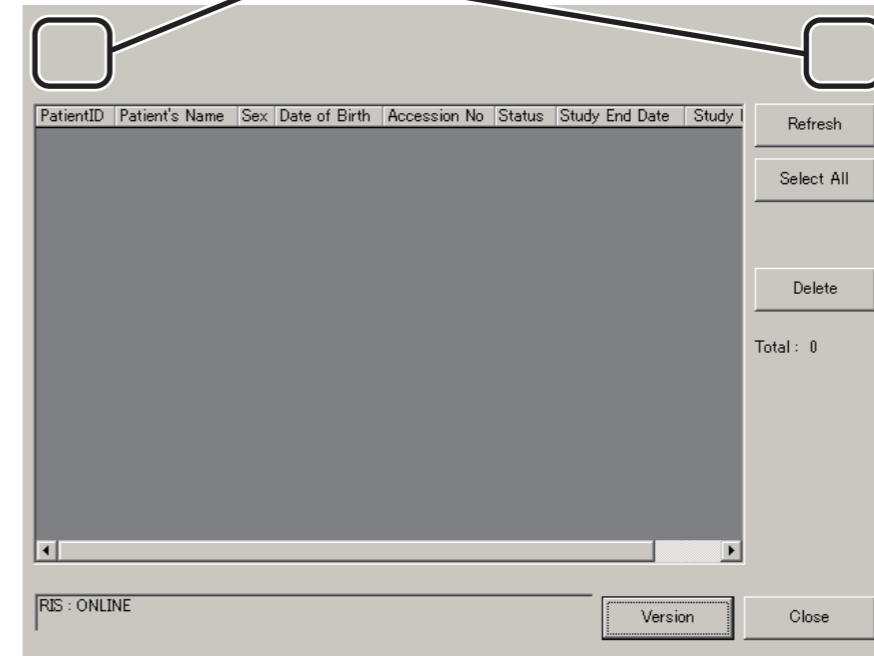


D80C020813007.ai

→ The PPS cache server starts up.

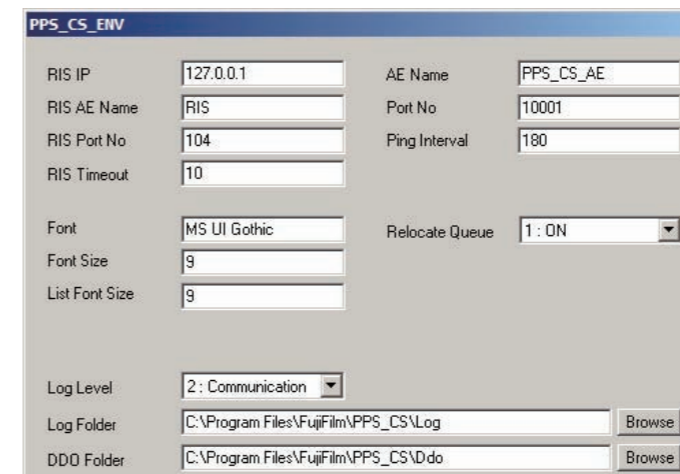
2. Click the upper left corner, and 3 seconds click the upper right corner.

Click the upper left corner and then the upper right corner.



D80C010813012.ai

→ The environment setting window opens.



D80C010813013.ai

3. Set up the items below appropriately.

No.	Item	Setup data
I	RIS IP Address	IP address of connecting RIS (e.g.: 172.16.1.80) Set the value same to what is set in the step 2 of “2.3.2 Registration of RIS Information”.
II	RIS AE Name	AE title of connecting RIS (e.g.: RIS-MPPS-SCP) Set the value same to what is set in the step 3 of “2.4.2 Registration of RIS Information”.
III	RIS Port No	Port number of connecting RIS (e.g.: 5011) Set the value same to what is set in the step 3 of “2.4.2 Registration of RIS Information”.
IV	RIS Timeout	Timeout value of connecting RIS (sec) *1
V	AE Name	AE title of PPS cache server (e.g.: RIS_CS_AE) Set the value same to what is set in the step 4 of “2.4.3 Registration of RIS Information”.
VI	Port No	Port number of PPS cache server (e.g.: 10001) Set the value same to what is set in the step 4 of “2.4.3 Registration of RIS Information”.
VII	Ping Interval	Intervals of communication command transmission to the RIS equipment. *1
VIII	Font	Font name *1
IX	Font Size	System font size of PPS cache server *1
X	List Font Size	List font size of PPS cache server *1

*1: Set the default value.

No.	Item	Setup data
XI	Relocate Queue	Retransmission setting for the case that RIS is not able to receive study information. *1 (0:Off tries no retransmission / 1: ON tries retransmission)
XII	Log Level	Log output level *1 (0:Nothing, Outputs nothing / 1: Error, Outputs errors / 2: Communication, Outputs communication status / 3:Trace, Outputs trace data)
XIII	Log Folder	Log output destination folder *1
XIV	DDO Folder	DDO file storage folder*1

*1: Set the default value.

◆ NOTE ◆

- Do not change the font bigger than the default size. If this is the case, fonts may not fit to the specified display area.
- If you delete the study after suspension of study, an unnecessary file is remained in the DDO folder. You can click [Clear Queue] to delete unnecessary files in the DDO folder.
To avoid deletion of necessary files, be sure to confirm that all the information is sent to the RIS equipment before deleting unnecessary files in the DDO folder.

4. Click [Save].

→ The system saves the setup data.

5. Click [Exit].

→ The environment setting window will then close.

6. Shut down the PC.

2.7 Changing Name Elements

See “3.11 Setting the Name Elements for DICOM Connection” under “MU: Maintenance Utility”.

2.8 Setup for Exposure Menu/Study Menu Mapping

■ Tag mapping

When transmitting order information to the DR-ID 800CL for MWM purposes, it is necessary to standardize the exposure and study menu tag information for the RIS and DR-ID 800CL.

More specifically, you must complete the following steps.

- Verify the DICOM tag number that contains RIS ordering information.
- Ensure that the RIS ordering information and DR-ID 800CL exposure menu/study menu agree in extended menu codes (this can be accomplished by rewriting the menu codes as needed with the DR-ID 800CL user utility).

➔ REFERENCE

The DR-ID 800CL performs exposure menu mapping in accordance with a tag number (0040,0008)>(0008,0100) transmitted from the RIS. Study menu mapping is performed when no exposure menu tag number is transmitted from the RIS.

The study menu mapping tag numbers transmitted from the RIS vary from one RIS manufacturer to another. Therefore, Service Utility must be used to set such tag numbers for the DR-ID 800CL.

Service Utility’s initial setting is (0040,0100)>(0040,0007).

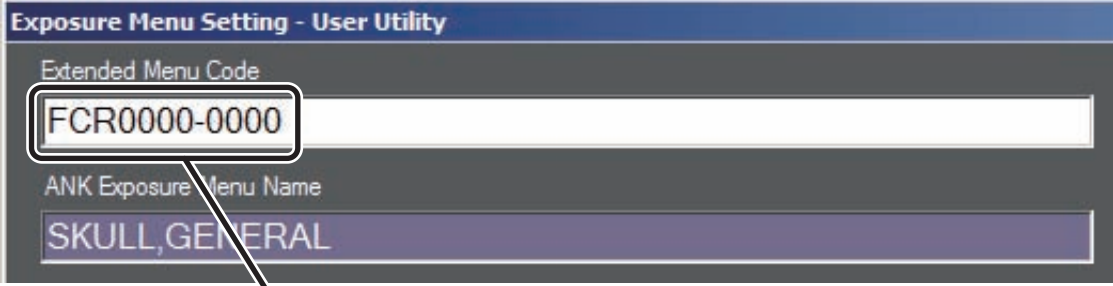
For most of the RIS manufacturers in Japan, the initial setting (0040,0100)>(0040,0007) can be used as is. For most of RIS manufacturers other than in Japan, however, the initial setting needs to be changed.

For details on setup, see under “■ Tag mapping configuration setup”.

The following examples describe the procedures for mapping the exposure menu or study menu defined by the RIS.

○ Exposure menu

Ensure that the ordering information defined by the DICOM tag ((0040,0008)>(0008,0100)) of the RIS agrees with the extended menu code of DR-ID 800CL exposure menu.

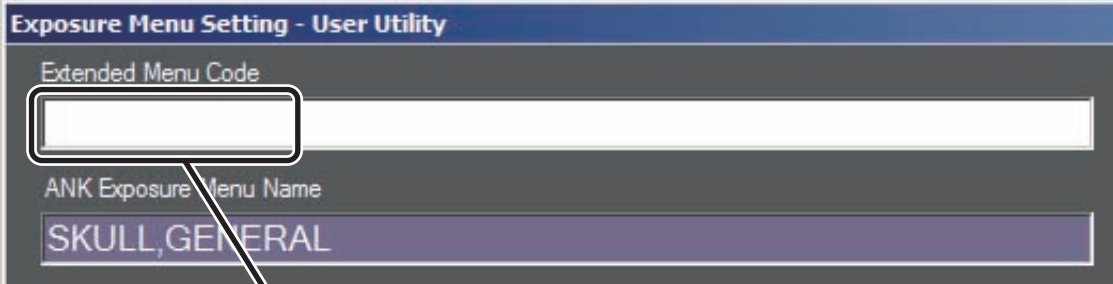


The screenshot shows a software utility window titled "Exposure Menu Setting - User Utility". It has two input fields. The first field, labeled "Extended Menu Code", contains the text "FCR0000-0000". The second field, labeled "ANK Exposure Menu Name", contains the text "SKULL,GENERAL".

Ensure that this code agrees with the RIS ordering information (tag information).

OE000056.ai

If the menu defined by the RIS is not registered in the DR-ID 800CL, create a new exposure menu and then enter the RIS ordering information related to the exposure menu into the DR-ID 800CL extended menu code field.



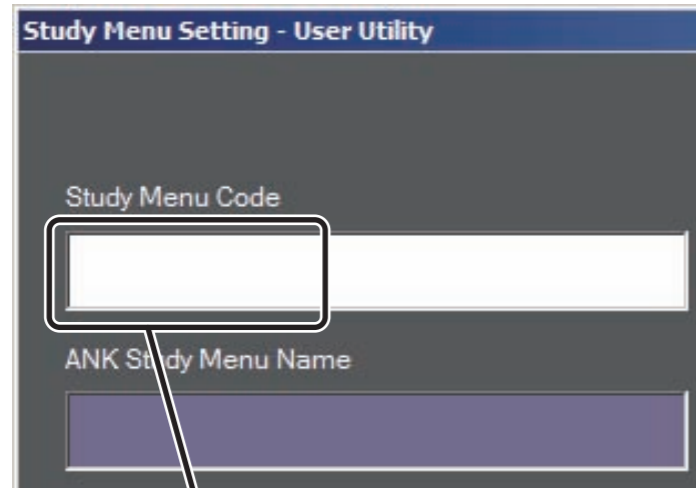
The screenshot shows the same software utility window. The "Extended Menu Code" field is now empty and has a red rectangular box around it. The "ANK Exposure Menu Name" field still contains "SKULL,GENERAL".

Enter the RIS ordering information (tag information) in this field.

OE000058.ai

○ Study menu

Since no study menu is registered in the DR-ID 800CL, create a new study menu and then enter the RIS ordering information related to the study menu.



Enter the RIS ordering information (tag information) in this field.

OE000057.ai

➔ **REFERENCE**

The actual tag information (indicating whether mapping is properly completed) exchanged between the RIS and DR-ID 800CL can be confirmed by viewing the log files that are generated when the DICOM Log Mode is enabled.

👉 For details on the DICOM Log Mode, see **“Appendix C Using the DICOM Log Mode”** under **“MU: Maintenance Utility”**.

■ **Tag mapping configuration setup**

Set the following configuration data (IMAGE MODALITY) as needed:

No.	Name	Meaning
23	Tag Mapped on Study Menu at MWM Use	DICOM-defined tag numbers to be mapped onto a study menu. The default setups are 0040, 0100>0040 and 0007.
24	Perform Mapping to Exposure Menu at MWM Use	Specifying whether or not to perform study menu/exposure menu mapping. If “No” is selected, only the patient information will be used to initiate a study process. The default setup is to perform mapping.
25	Display Dialog When Failed in Mapping to Menu at MWM Use	Specifying whether or not to open a warning window when mapping is not successfully performed for a DR-ID 800CL study menu or exposure menu. The default is to open a warning window.

3. Verifying the Connection

After the DR-ID 800CL-AP has been started up, verify MWM and PPS operations.

3.1 Starting the DR-ID 800CL-AP

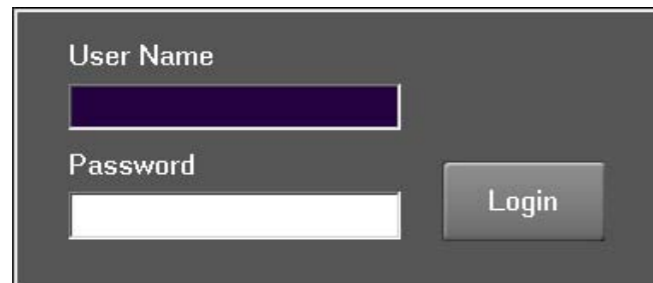
3.2 Verifying MWM

3.3 Verifying PPS

3.1 Starting the DR-ID 800CL-AP

1. From the  menu, sequentially select “All Programs”, “Fuji Film” and “ConsoleAdvance”.

→ The Log-in window opens.



The screenshot shows a dark-themed login window with two input fields: 'User Name' and 'Password'. The 'User Name' field contains a dark purple bar. To the right of the 'Password' field is a 'Login' button. The window has a small 'X' icon in the top right corner.

CLP74010.EPS

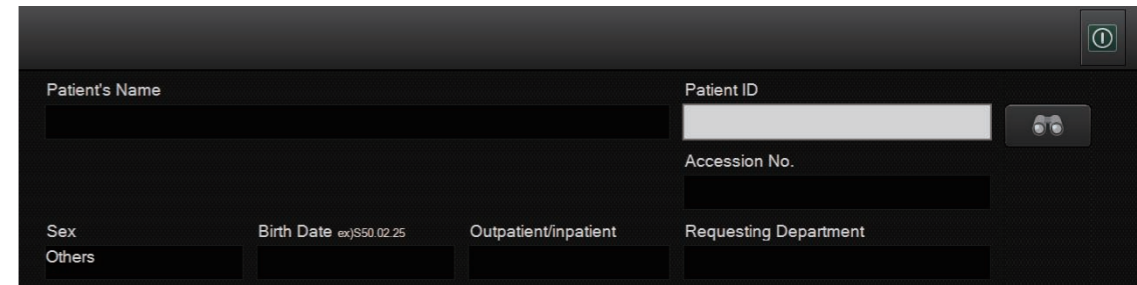
2. Enter the following.

User name : 11111 (default)

Password : 11111 (default)

3. Click [Login].

→ The DR-ID 800CL-AP starts up.



The screenshot shows a dark-themed patient information form. It has several input fields: 'Patient's Name', 'Patient ID', 'Accession No.', 'Sex', 'Birth Date', 'Outpatient/inpatient', and 'Requesting Department'. The 'Sex' field has a dropdown menu with 'Others' selected. The 'Birth Date' field has a date picker showing 'ex) \$50.02.25'. There is a small 'X' icon in the top right corner.

DXL08030002.ai

3.2 Verifying MWM

Check to see that the patient information registered to the RIS appears in the MWM worklist.

3.3 Verifying PPS


Make sure that the patient information of the study completed has been sent back to the RIS.

4. Backing Up the Setup File

Make a backup of the DR-ID 800CL setup file.

To make a backup, have the following item on hand.

- Storage media (FD, USB memory stick or the like)

 For details on the backup procedure, see [“5. Restoring/Backing Up the Configuration File – Configuration Restore/Backup”](#) under [“MU: Maintenance Utility”](#).

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 14 Archiver: Storage Commitment Push

This chapter describes the setup procedure for the Storage Commitment Push function on images to be transferred using DICOM Storage (Standard).

The DICOM Commitment Push function is to assure that images transferred have been stored in the archiver.

Images stored in the DR-ID 800CL will not be deleted before a message comes from the archiver indicating that it has stored them accordingly.

■ Prior to setup

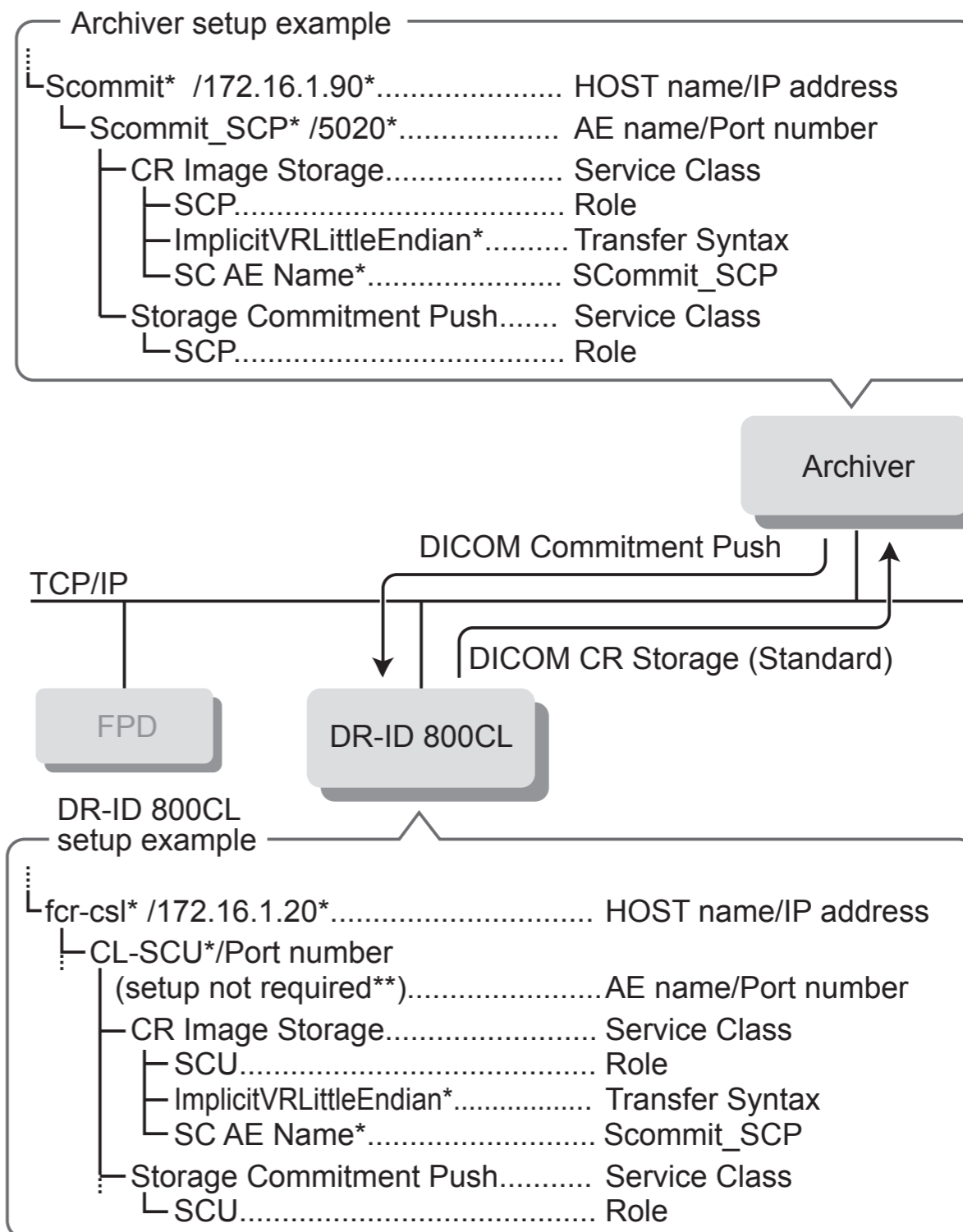
● DR-ID 800CL requirements

- The DR-ID 800CL main unit must have been set up.
- Install the option key below.

Key Name	Functions Supported
DX CL DICOM COMMITMENT key	Storage Commitment Push (Storage Service Class Supported • CR Image Storage • Private CR Storage • DX Image Storage For Presentation • DX Image Storage For Processing)

■ Connection/setup example

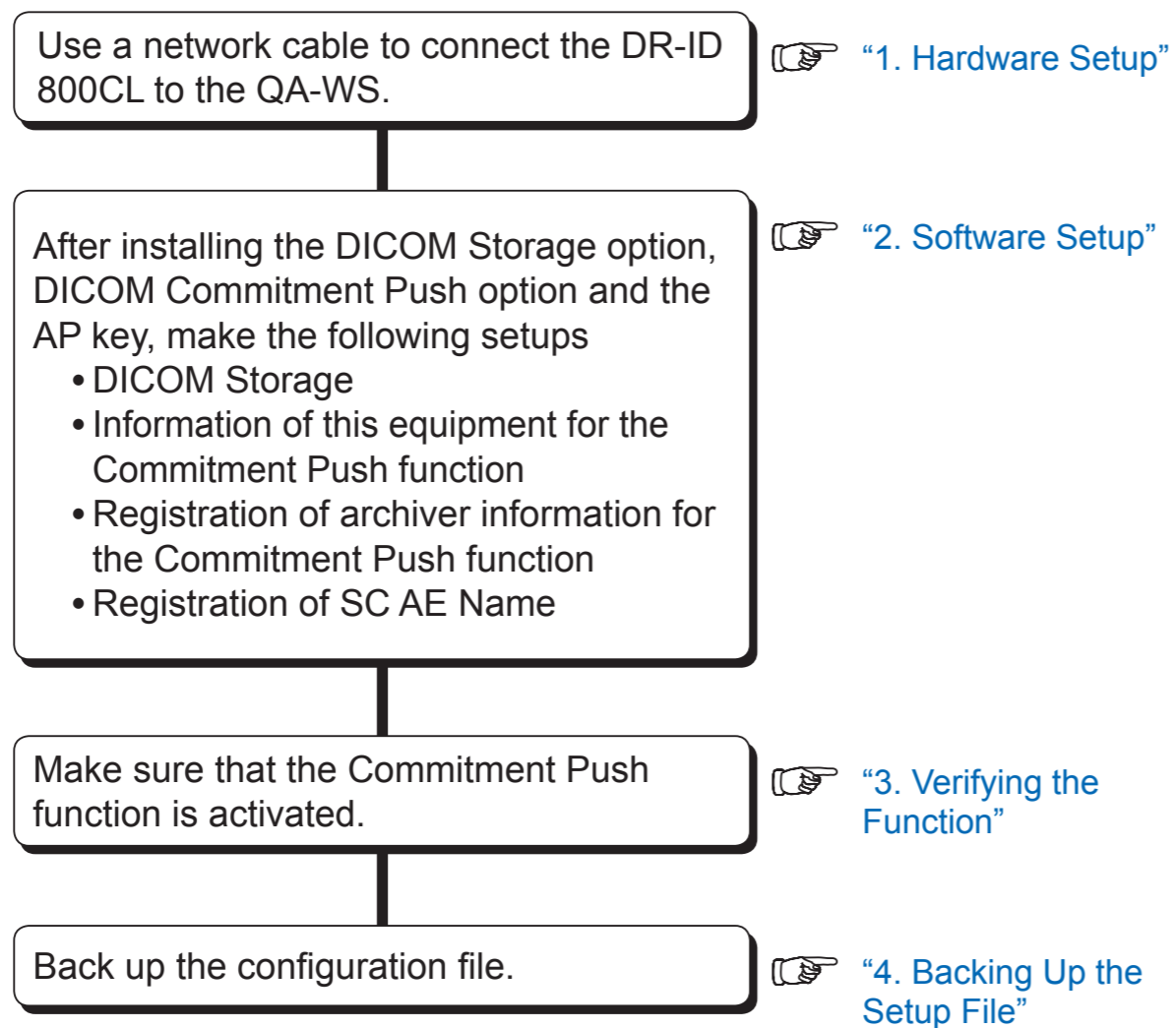
This chapter describes the setup procedure using the connection/setup examples shown below.



* Setup examples that need be changed depending on the equipment or network environment.
 ** Port number needs not be set up for the Service Class when the Role is SCU.

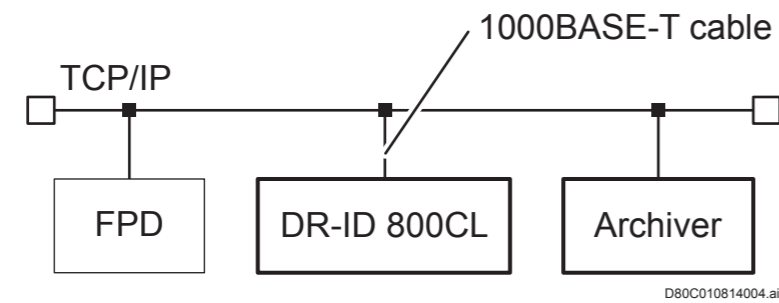
D80C010814003.ai

■ Overall operation flow



1. Hardware Setup

Connect the DR-ID 800CL to the archiver via networks, as illustrated below.



◆ NOTE ◆

- Do not connect the telephone line to the DR-ID 800CL network connectors.
- The cable type applicable to the DR-ID 800CL is the IEC950/UL1950-compliant UTP cable of enhanced category 5 or higher.

2. Software Setup

Set up the DR-ID 800CL software by performing the following steps:

2.1 Installing the DICOM Commitment Push Option Key

2.2 Reinstalling the AP Key

2.3 Performing DICOM Storage Setup

2.4 Setting Information on This Equipment for the Commitment Push Function

2.5 Registering the Archiver Information for the Commitment Push Function

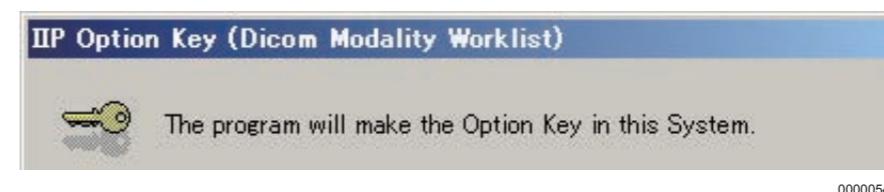
2.6 Registering the SC AE Name

2.1 Installing the DICOM Commitment Push Option Key

1. Connect the USB disk drive (JIG) to the USB port of the Mobile X-ray Unit.
2. Insert the option key disk into the disk drive.
→ After several seconds, the installation start window automatically opens.

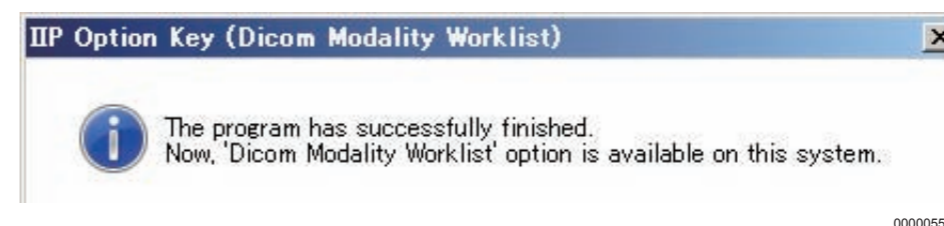
◆ NOTE ◆

In case the installation start window does not open automatically, double-click the execution file (Filename extension: exe) in the Disk.



3. Click .

→ A window opens to indicate the completion of installation.



4. Click .

→ The installation start window opens again.

5. Remove the Disk from the disk drive.

2.2 Reinstalling the AP Key

After option key installation, be sure to reinstall the AP key.

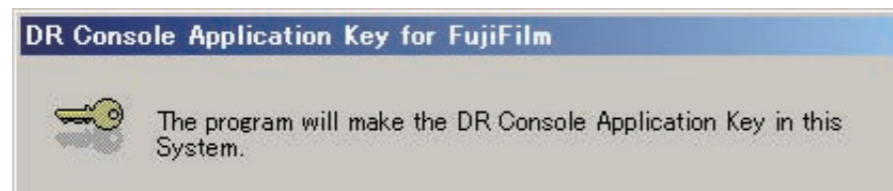
Use the AP key Disk to reinstall the AP key. The procedure is described below:

1. Insert the AP key Disk into the disk drive.

→ After a while, the installation start window automatically opens.

◆ NOTE ◆

In case the installation start window does not open automatically, double-click the execution file (Filename extension: exe) in the Disk.



2. Click



→ A window opens to indicate the completion of installation.



3. Click



→ The system returns to the desktop screen.

4. Remove the Disk from the disk drive.

2.3 Performing DICOM Storage Setup

◆ NOTE ◆

Before using Storage Commitment Push, complete DICOM CR Storage setup for the archiver.

☞ For details on DICOM CR Storage setup, see “2.1.3 Setup of Information on This Equipment for the DICOM CR Storage Function”, and subsequent sections under “Appendix 10 DICOM CR Storage” in “Appx IN”.

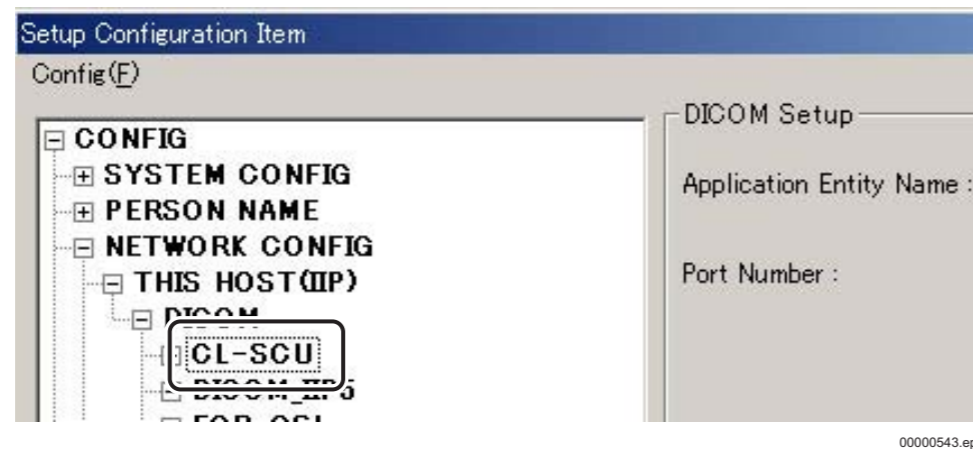
☞ For details on DICOM DX Storage setup, see “2.1.3 Setup of Information on This Equipment for the DICOM DX Storage Function”, and subsequent sections under “Appendix 11 DICOM DX Storage” in “Appx IN”.

2.4 Setting Information on This Equipment for the Commitment Push Function

The following information items are to be set up by performing the procedure described in this section. This setup is performed in relation to the application entity on this equipment that is defined as directed in 2.3.

- Service class, Role, and Transfer Syntax
- Other (timeout setting, etc.)

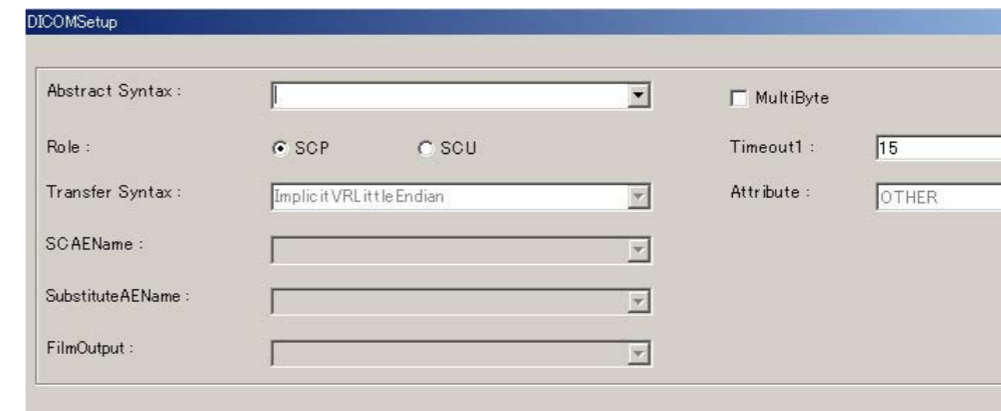
1. On the “Setup Configuration Item” window, sequentially choose **+** NETWORK CONFIG, **-** THIS HOST(IP), **-** DICOM and **-** CL_SCU (DICOM Storage AE name).



→ The “DICOM Setup” window opens within the right-hand area of the current window.

2. Click **New** (positioned slightly below the center of the window).

→ The “DICOMSetup” window opens.



00000533.EPS

3. Click the downward arrow mark **▼** for the **Abstract Syntax** : field and select “Service Class (StorageCommitmentPush)”.
4. Since the AE for “User” is to be set, choose **SCU** as the Role.
5. Enter an appropriate value in the **Timeout1** : **15** field. Association control varies with the entered value as summarized below:
 - **When value 0 is entered:**
Uses an association other than that transmitted from the DR-ID 800CL to wait for the connected equipment’s response.
 - **When a value other than 0 is entered:**
Uses the association transmitted from the DR-ID 800CL to wait for the connected equipment’s response before the entered time elapses. After the entered time has elapsed, however, another association is used to wait for the connected equipment’s response.

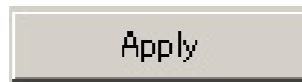
6. Click .

→ You are then returned to the "Setup Configuration Item" window.

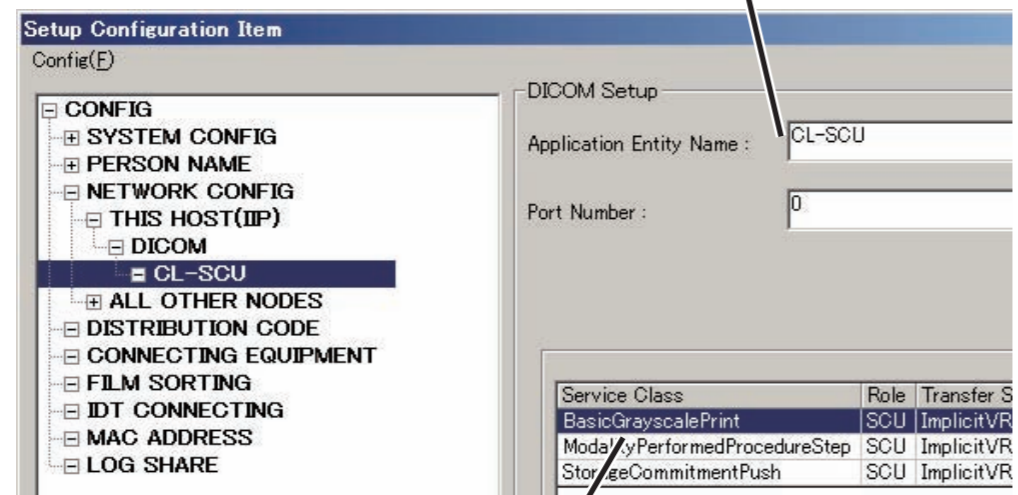
7. With the "Config" menu, save the entered setup data.

➔ **REFERENCE**

- Items just have been set will appear on the right-side area of the "Setup Configuration Item" window. A displayed item can be changed. Whenever it is changed, never fail to click




AE name of this equipment



Service Class, Role, Transfer Syntax and device attribute (Attribute)

00000545.ai

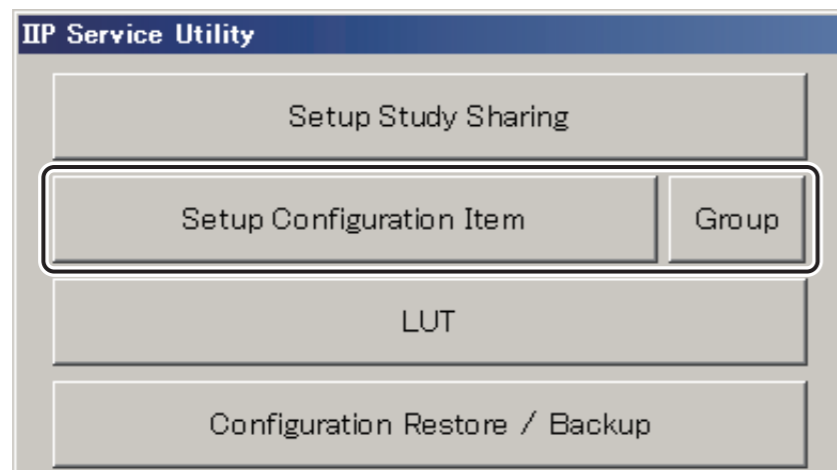
- If the  key is clicked, currently selected items will be deleted.

2.5 Registering the Archiver Information for the Commitment Push Function

The following information items are to be set up by performing the procedure described in this section. This setup is performed in relation to the archiver's application entity that is defined as directed in 2.4.

- Service Class, Role, and Transfer Syntax
- Other (2-byte character handling, etc.)

1. On the "IIP Service Utility" window, click [Setup Configuration Item].



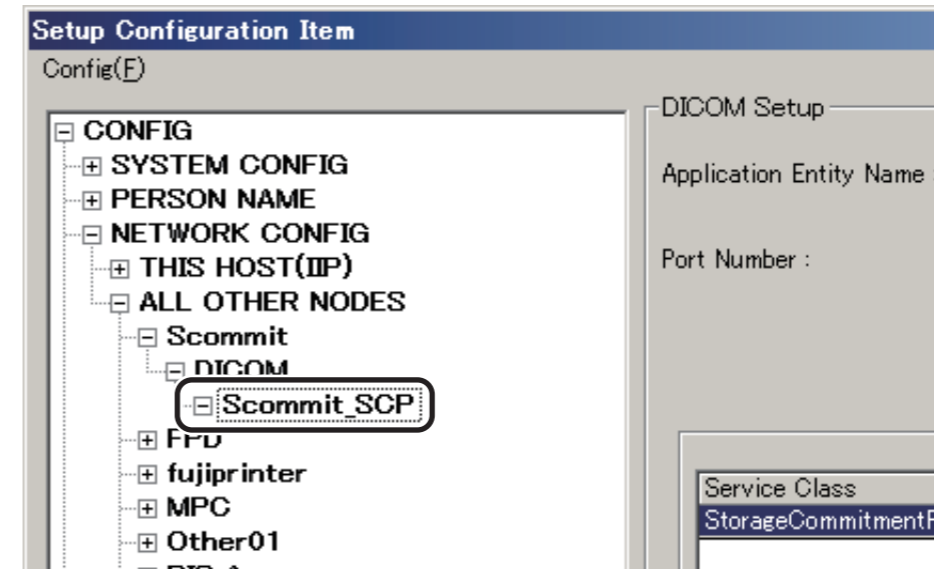
DXCL100810003.ai

→ The "Setup Configuration Item" window opens.



00000404.EPS

2. Sequentially choose **+** NETWORK CONFIG, **+** ALL OTHER NODES, **+** Scommit (archiver's host name), **+** DICOM and **+** Scommit_SCP (AE name for DICOM Storage).

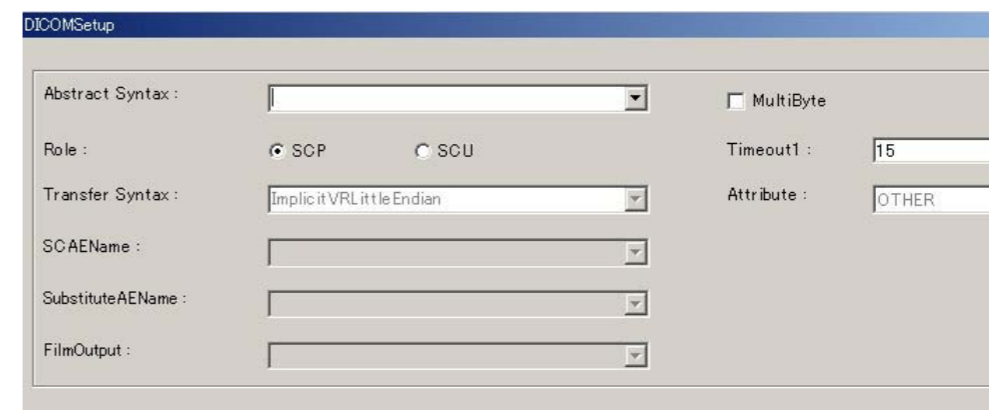


00000544.ai



→ The "DICOM Setup" window appears within the right-hand area of the current window.

3. Click **New** (positioned slightly below the center of the window).

→ The "DICOMSetup" window opens.




00000533.EPS

4. Click the downward arrow mark () for the Abstract Syntax :  field and select “Service Class (StorageCommitmentPush)”.

5. Since the AE of the connected equipment is “Provider”, verify that SOP is chosen as the Role.

6. When handling 2-byte characters, check MultiByte (→).

➔ **REFERENCE**

*You need not to set Timeout1 :  .
Even if set, it will be disregarded.*

7. Click  .

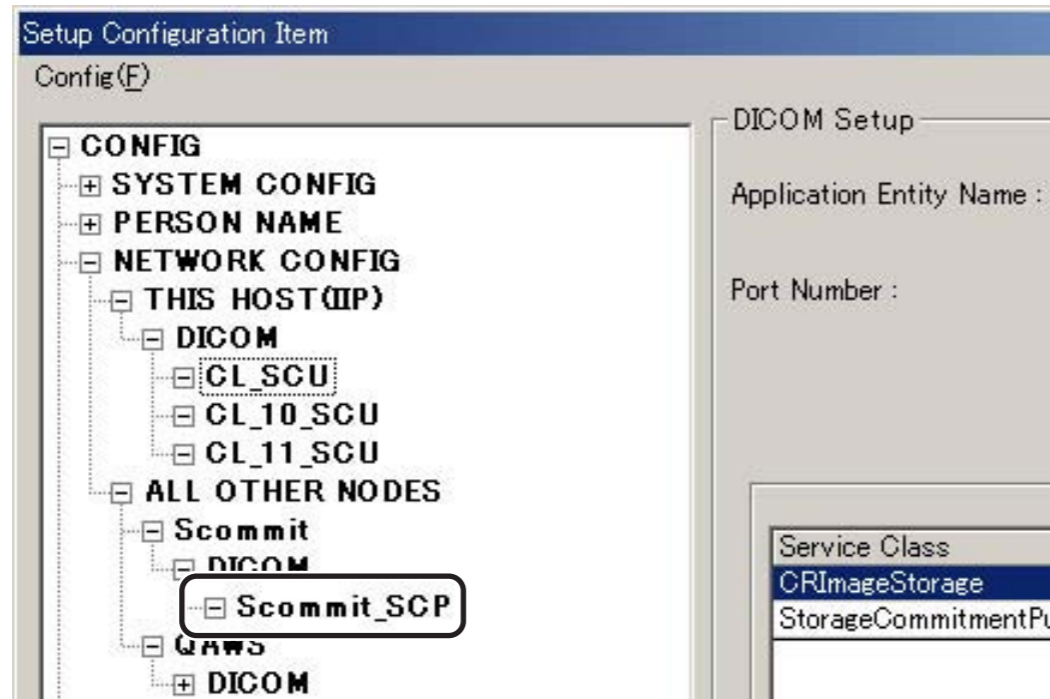
→ You are then returned to the “Setup Configuration Item” window.

8. With the “Config” menu, save the entered setup data.

2.6 Registering the SC AE Name

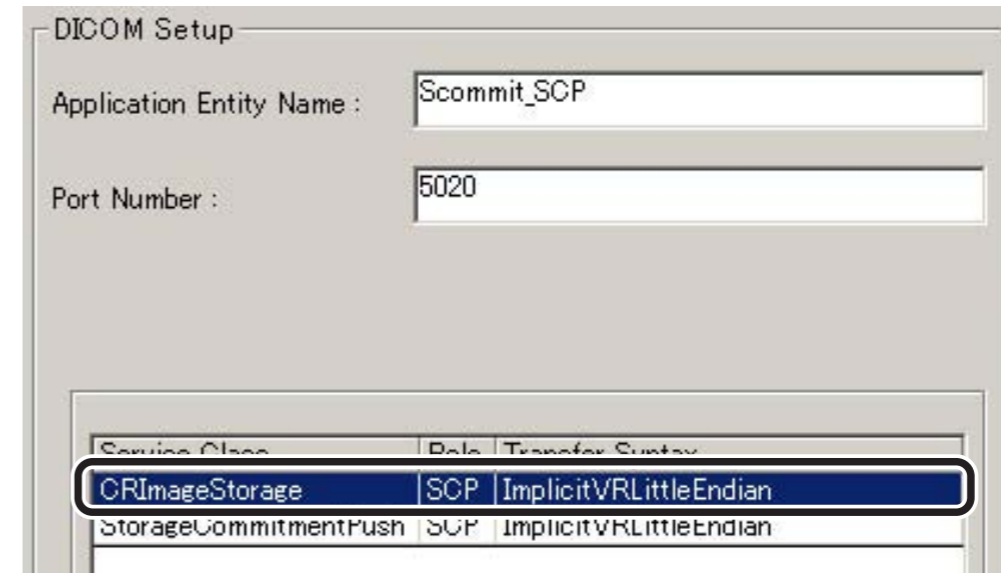
Perform the following procedure to register DICOM Storage as the target of Commitment Push.

1. On the “Setup Configuration Item” window, sequentially choose NETWORK CONFIG, ALL OTHER NODES, Scommit (archiver’s host name), DICOM and Scommit_SCP (AE name of DICOM Storage).



→ The “DICOM Setup” window opens within the right-hand area of the current window.

2. From the list in the lower right corner of the window, select the Service Class (e.g.: CR Image Storage) and then click



→ The “DICOMSetup” window opens.

3. Click the downward arrow mark (▼) for the SCAEName : field and select the AE name of Commitment Push for the archiver (e.g.: Scommit_SCP).

4. Click .

→ You are then returned to the “Setup Configuration Item” window.

5. Use the “Config” menu to save the entered setup data.


3. Verifying the Function

Perform the following steps to start the DR-ID 800CL-AP to verify Commitment Push function:

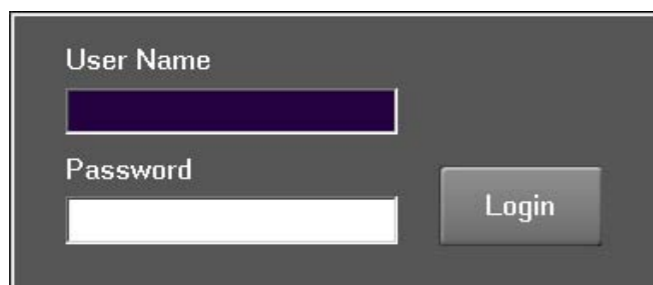
3.1 Starting the DR-ID 800CL-AP

3.2 Transferring an image to the Archiver

3.1 Starting the DR-ID 800CL-AP

1. From the  menu, sequentially select “All Programs”, “Fuji Film” and “ConsoleAdvance” .

→ The Log-in window opens.



CLP74010.EPS

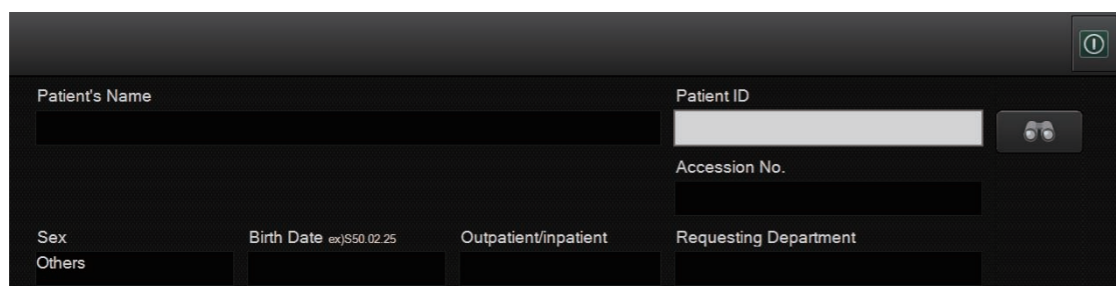
2. Enter the following.

User name : 11111 (default)

Password : 11111 (default)

3. Click [Login].

→ The DR-ID 800CL-AP starts up.



DXL08030002.ai

3.2 Transferring an Image to the Archiver

Perform the following steps to transfer an image stored in the DR-ID 800CL to the archiver and verify that the Commitment Push function properly works.

1. Select the image to be transferred, and then transfer it to the archiver.
2. Check whether the DR-ID 800CL displays a message to indicate the image has been stored in the archiver device. Also, perform a deletion procedure in relation to an image that is not transferred to the archiver to verify that the image remains undeleted.


 For detailed descriptions of the image transfer and image deletion procedures, see the DR-ID 800CL Operation Manual.

4. Backing Up the Setup File

Back up the DR-ID 800CL setup file.

For backup, furnish the following items:

- Storage media (FD, USB memory stick or the like)

 For details of the backup procedure, see [“5. Restoring/Backing Up the Configuration File – Configuration Restore/Backup”](#) under [“MU: Maintenance Utility”](#).

Appendix 15 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 16 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 17 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 18 Setup of Date and Time Display

1. Setting the Date and Time

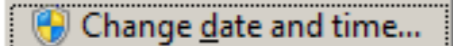
To set up the date and time, perform the following procedures.

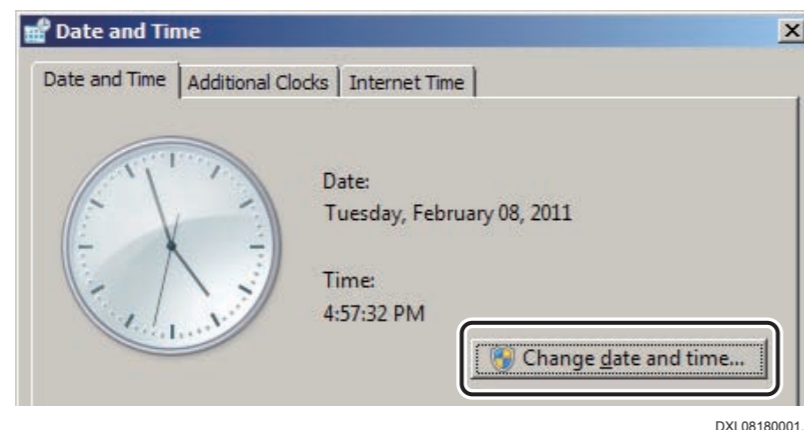
1. Select “Control Panel” from the  menu.

→ The “All Control Panel Items” window opens.

2. Click  **Date and Time**.

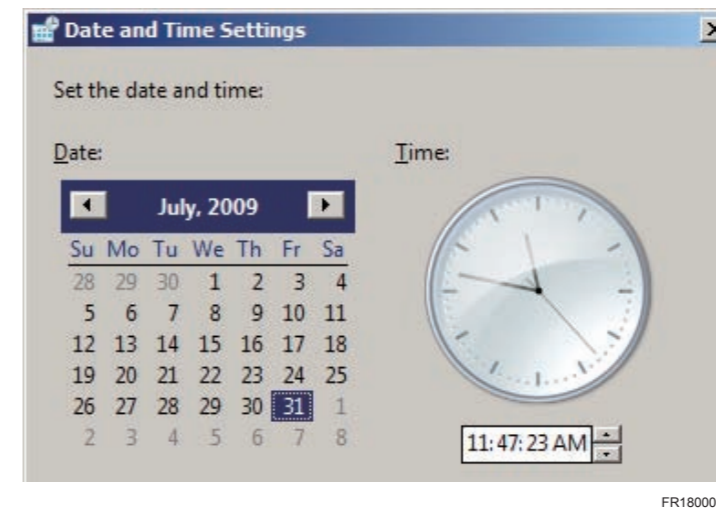
→ The “Date and Time” window opens.

3. Click  **Change date and time...**.



→ The “Date and Time Settings” window opens.

4. Correct the date and time appropriately, and click .



→ The system returns to the “Date and Time” window.

5. Close the “Date and Time” window.

→ The system returns to the desktop screen.

2. Setting the Display Format of Date and Time

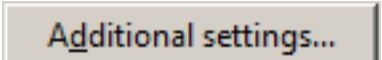
To set up the display format of date and time, perform the following procedures.

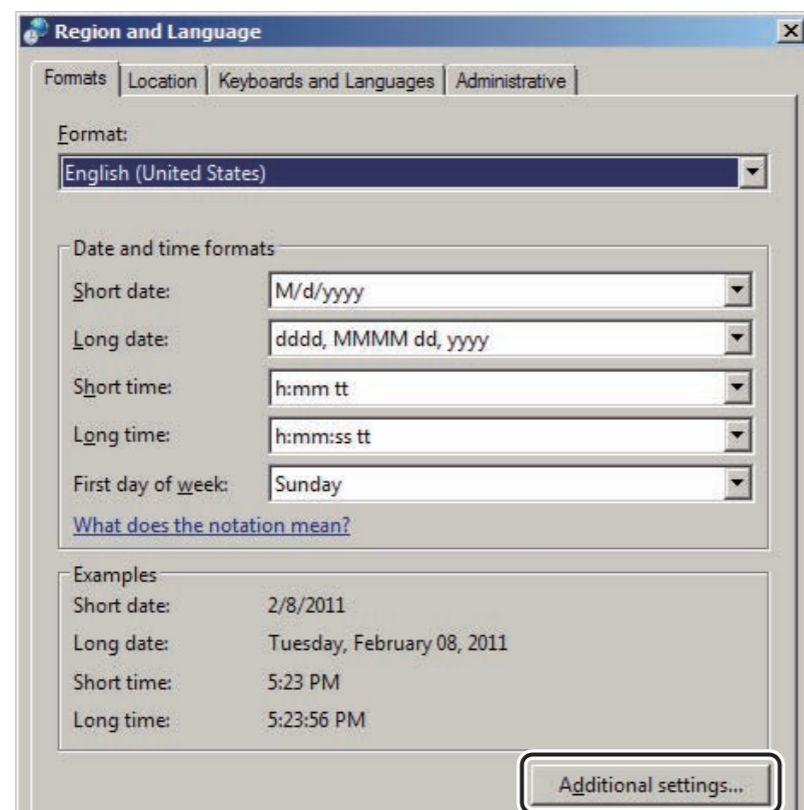
1. Select “Control Panel” from the  menu.

→ The “All Control Panel Items” window opens.

2. Click  **Region and Language**.

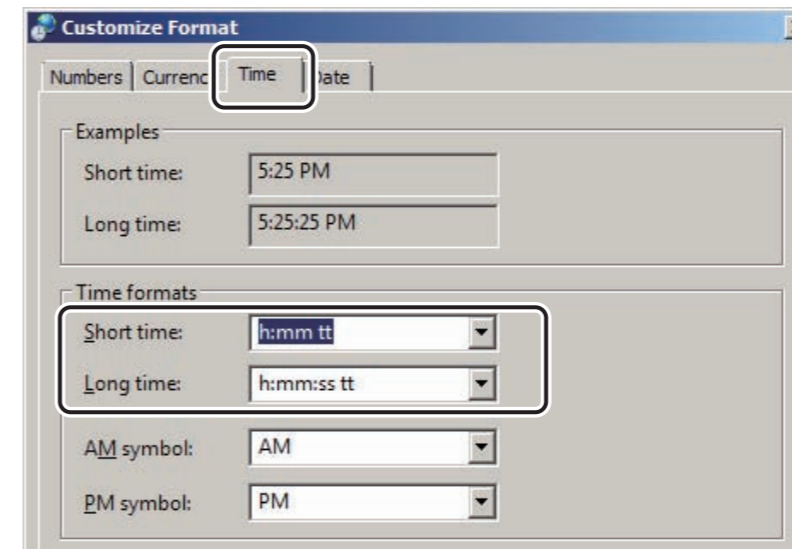
→ The “Region and Language” window opens.

3. Click .



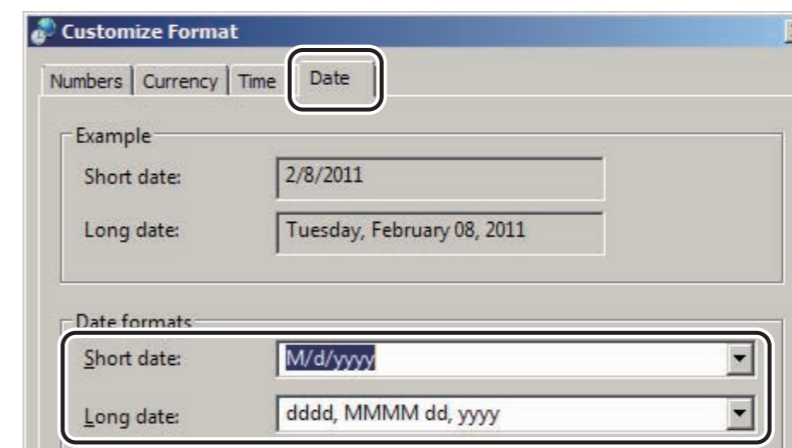
→ The “Customize Regional Options” window opens.

4. Select the “Time” tab to change the “Time format”.



DXL08180003.ai

5. Select then the “Date” tab to change the “Date formats”.



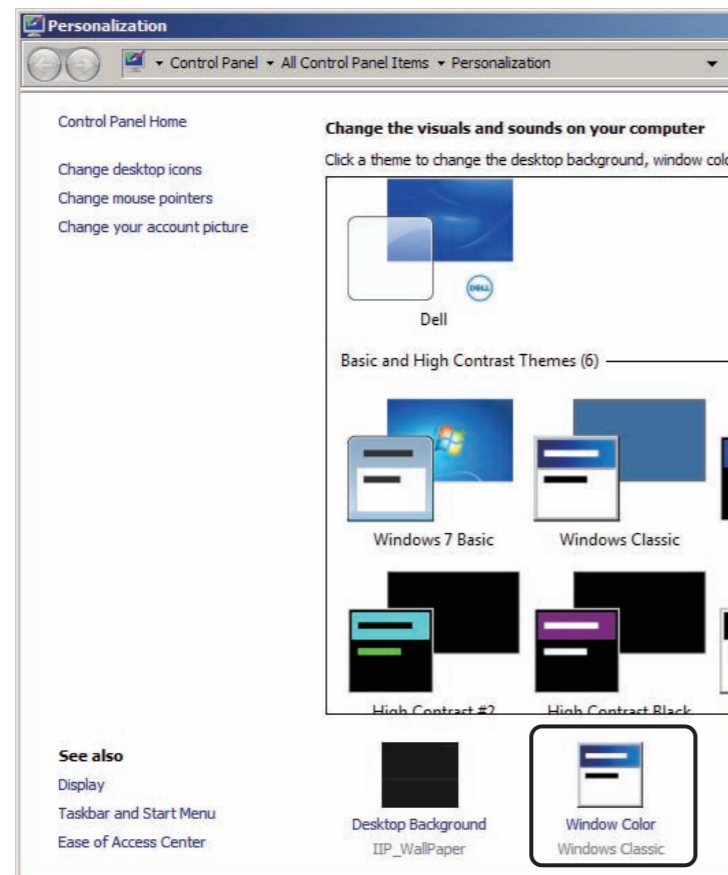
DXL08180004.ai

6. Click [OK].
→ The system returns to the “Region and Language” window.
7. Click [OK].
→ The system returns to the “All Control Panel Items” window.
8. Close the “All Control Panel Items” window.
→ The system returns to the desktop screen.

3. Setting the Display Font of Date and Time

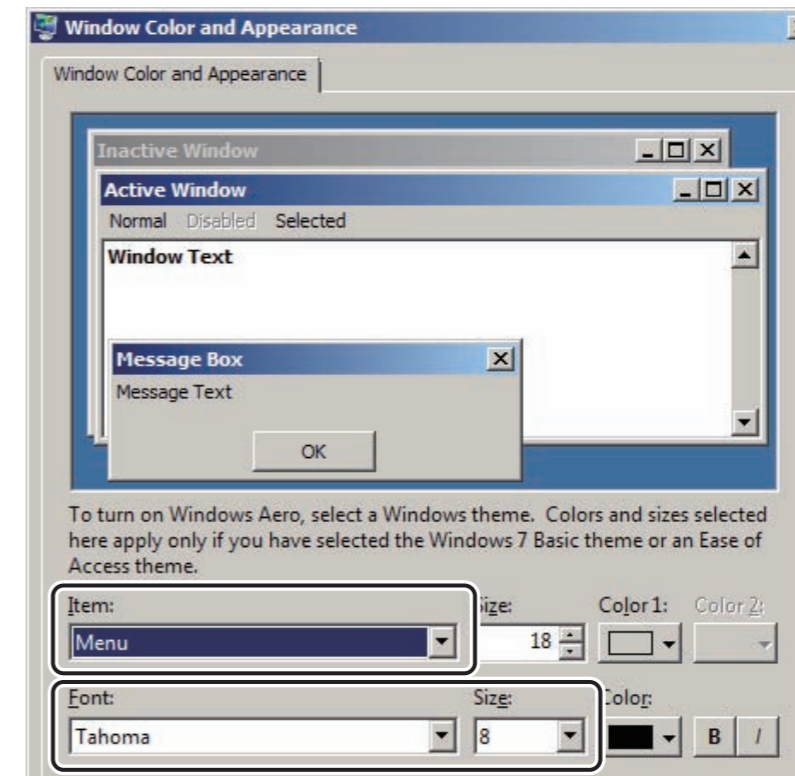
To set up the display font of date and time, perform the following procedures.

1. Select “Personalization” from the right-click menu on the desktop.
→ The “Personalization” window opens.
2. Select “Window Color”.



→ The “Window Color and Appearance” window opens.

3. Select “Menu” in **Item:** and change the font and font size.



BLANK PAGE

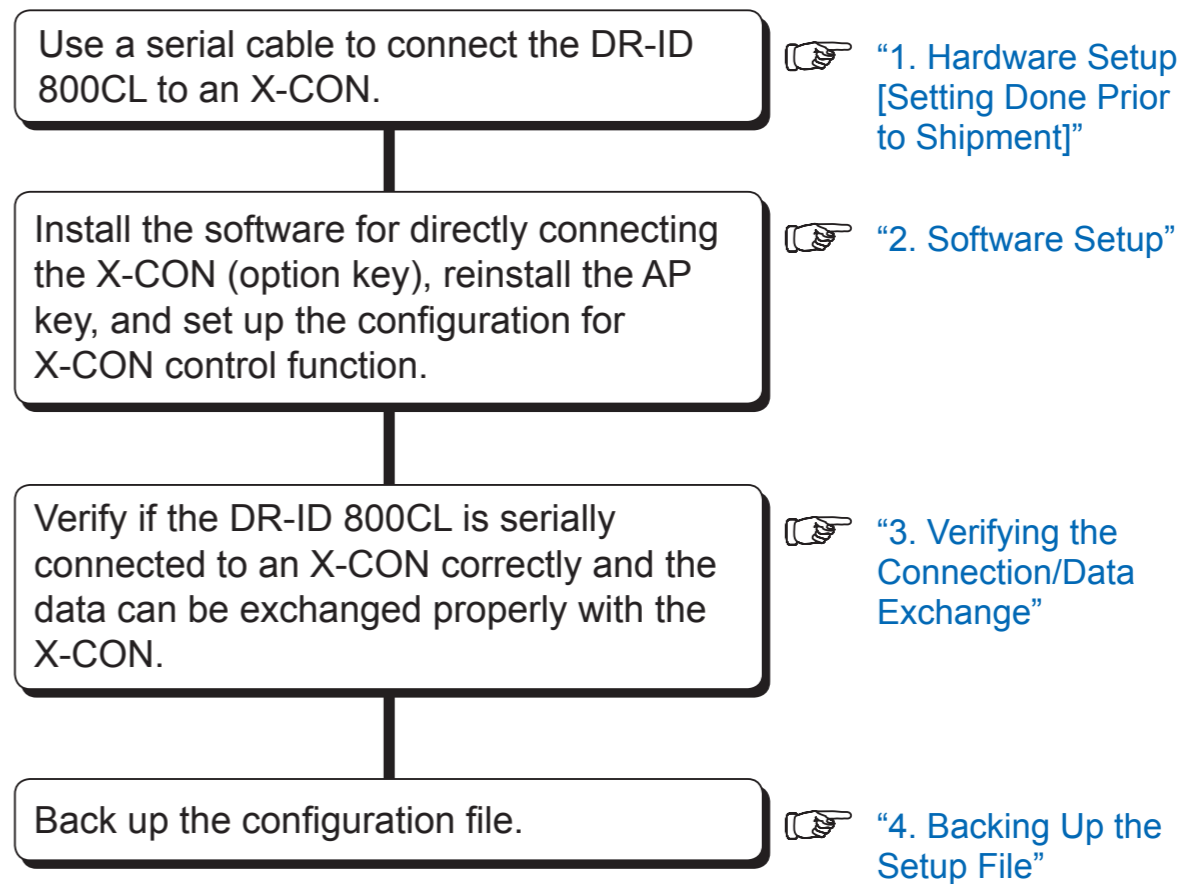
Appendix 19 X-Ray Controller

Describes the procedures to directly connect DR-ID 800CL to X-Ray Controller (hereinafter called as X-CON).

■ Prior to setup

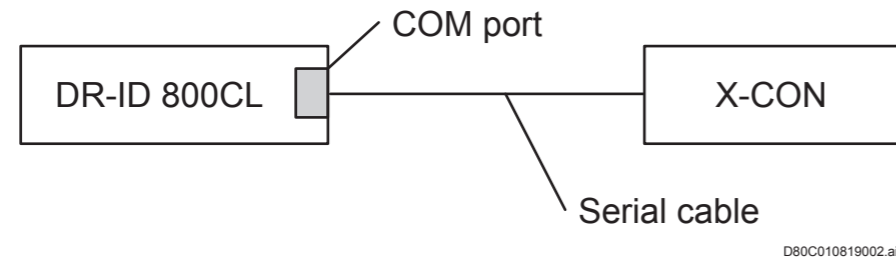
- DR-ID 800CL requirements
 - The DR-ID 800CL main unit must have been set up accordingly. [Setting done prior to shipment]
- X-CON requirements
 - The connected host main unit must have been set up accordingly. [Setting done prior to shipment]
 - X-CONs supported by the DR-ID 800CL are those of Shimadzu only.

■ Overall operation flow



1. Hardware Setup [Setting Done Prior to Shipment]

Use a serial cable to connect the DR-ID 800CL to an X-CON.



2. Software Setup

2.1 Configuration setting for Direct Connection with the X-CON [Setting Done Prior to Shipment]

2.2 Setting the OS COM Ports [Setting Done Prior to Shipment]

2.1 Configuration setting for Direct Connection with the X-CON [Setting Done Prior to Shipment]

Set up the following configuration items for direct connection with the X-CON.

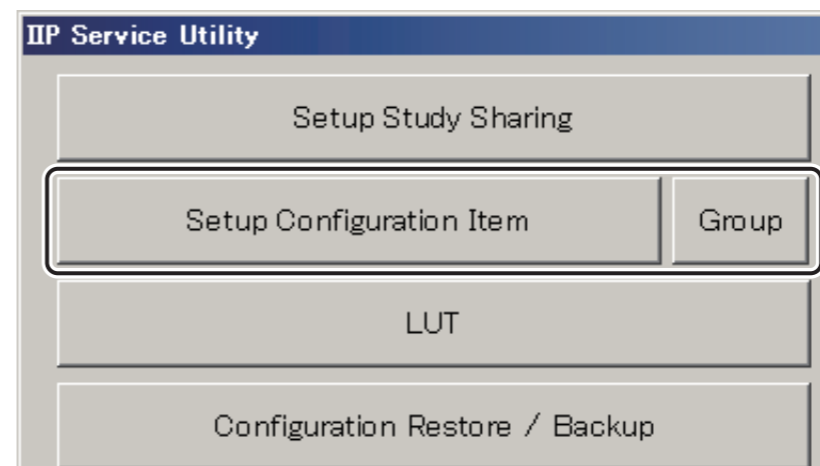
- Config settings for the X-CON connection

■ Config settings for the X-CON connection

1. Start the DR-ID 800CL Service Utility mode.

 For how to start the Service Utility mode, see “1. Starting/Exiting the Service Utility” under “MU: Maintenance Utility”.

2. Click [Setup Configuration Item].



DXCL100810003.ai

→ The [Setup Configuration Item] window opens.

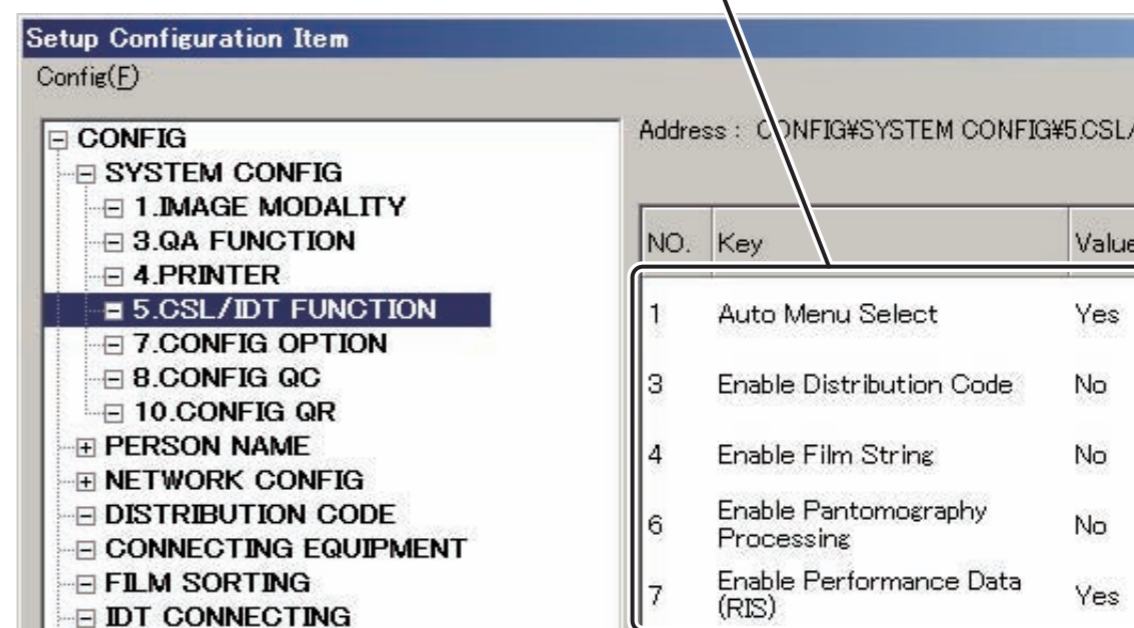


00000404.EPS

3. Click **5.CSL/IDT FUNCTION**.

→ The IDT/Console function setup items will be displayed on the right-hand side of the window.

IDT/Console function setup items



DXL819006.ai

4. Set up the following X-CON-related configuration items.

No.	Configuration Item	Meaning	Remarks	X-CON
42	Wait Time for Performed Exposure Info. From Xcon	Wait time (in seconds) between the instant at which the ID information acquisition request is received from the built-in type machine and the instant at which the XCON exposure result information is received in situations where exposures are made by the built-in device.	Default: 3	○
43	Xcon Status Display Strings	Image display caption	Default: XCON	○
44	Xcon Serial_TX Control Port	X-CON control serial port no.	Default: 2	○
45	Xcon Performed Info. Reception	Setup for reception of operating condition data	Default: Receives.	○
46	Xcon Exposure Info.Transfer	Setup for transfer of exposure condition data	Default: Transmit.	○
47	Xcon Exposure Info. Limit Value (Minimum KVP [kV])	Minimum tube voltage (kV)	Default: 40kV	○
48	Xcon Exposure Info. Limit Value (Maximum KVP [kV])	Maximum tube voltage (kV)	Default: 150kV	○
49	Xcon Exposure Info. Limit Value (Minimum X-ray Tube Current [mA])	Minimum tube current (mA)	Default: 10mA	○
50	Xcon Exposure Info. Limit Value (Maximum X-ray Tube Current [mA])	Maximum tube current (mA)	Default: 1000mA	○
51	Xcon Exposure Info. Limit Value (Minimum Exposure Time [msec])	Minimum irradiation time (msec)	Default: 1msec	○
52	Xcon Exposure Info. Limit Value (Maximum Exposure Time [msec])	Maximum irradiation time (msec)	Default: 8000msec	○
53	Xcon Exposure Info. Limit Value (Minimum Reserve 1)	Minimum Reserved Code 1 (APR) value to be sent to the X-CON	Default: 0	○
54	Xcon Exposure Info. Limit Value (Maximum Reserve 1)	Maximum Reserved Code 1 (APR) value to be sent to the X-CON	Default: 8000	○
108	Xcon Format Type	X-CON format type	Default: 3: Old-Expand3	○
109	Xcon Interlock Command Transfer	Whether interlock command is sent or not	Default: No	○
111	Xcon Serial_TX Baudrate	X-CON serial transfer rate	Default: 4800bit	○
112	Xcon No-Response Timeout	Timeout value	Default: 20	△
113	Xcon Data Reception Timeout	Timeout value	Default: 20	△
117	Xcon DoseValue1	Handling of dose value of Value 1	Default: 1: Entrance Dose (Set this item as "1:Entrance Dose" if the calculated dose value is received from X-CON and as "2:Dose Product" when the dose value is received from DAP.)	△
118	Xcon DoseValue2	Handling of dose value of Value 2	Default: 2: Dose Product	○
120	Xcon No-Data Default Output	Setup for output of actual result value unavailable from X-CON	Default: Does not set up exposure-related information to the tag.	○
142	Xcon Serial_TX Parity	Setup for X-CON serial transfer parity	Default: 2	○
196	Serial Xcon Connection	Specifying whether or not DR-ID 800CL receives actual result information from X-CON via serial connection.	Default: Yes	○
364	Xcon Dose Unit	Specifying the unit of area dose value notified as the result (how many times based on mGycm2).	Default: 100 (To connect VacuDap 1580015, change to 0.1)	△

○ : Do not change from the settings when shipped from factory.

△ : Changed as required.

■ Saving config

1. Select “Save” from the “Config” menu.

→ A window opens, prompting you to confirm the setup data to be saved.

2. Click .

→ The setup data will be saved.

2.2 Setting the OS COM Ports [Setting Done Prior to Shipment]

Setting the COM port using the OS Device Manager is required for setup of the X-CON connection under Windows 7.

 For details on setting up the COM port of the OS, refer to [“1. Port and Service Utility Settings”](#) under [“Appendix 26 Setting the Serial Connector”](#).


3. Verifying the Connection/Data Exchange

After starting up the DR-ID 800CL-AP, check if the CL is serially connected to the X-CON correctly and can exchange data with the X-CON.

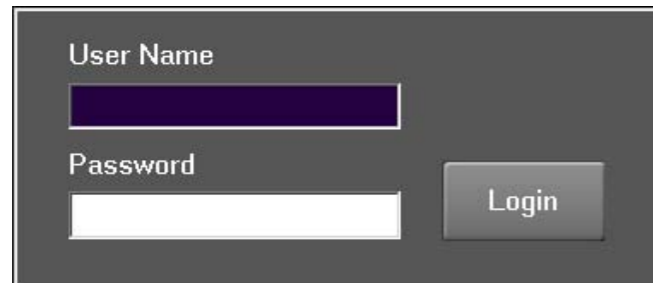
3.1 Verifying the Serial Connection

3.2 Checking the Data Exchange

3.1 Verifying the Serial Connection

1. From the  menu, sequentially select “All Programs”, “Fuji Film” and “ConsoleAdvance” .

→ The Log-in window opens.



The screenshot shows a dark-themed login window with two input fields: 'User Name' and 'Password'. The 'User Name' field contains a dark purple bar. To the right of the 'Password' field is a 'Login' button. The window has a small icon in the top right corner.

CLP74010.EPS

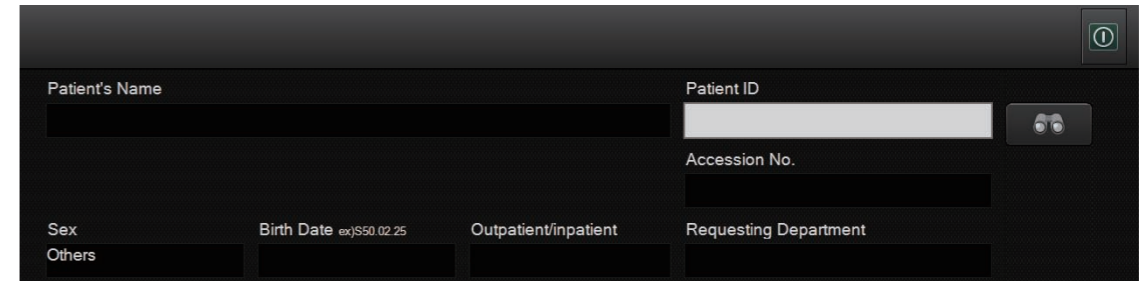
2. Enter the following.

User name : 11111 (default)

Password : 11111 (default)

3. Click [Login].

→ The DR-ID 800CL-AP starts up.



The screenshot shows the main interface of the DR-ID 800CL-AP. It features several input fields for patient information: 'Patient's Name', 'Patient ID', 'Accession No.', 'Sex', 'Birth Date' (with a date picker showing 'exj\$50.02.25'), 'Outpatient/inpatient', and 'Requesting Department'. There is a small icon in the top right corner.

DXL08030002.ai

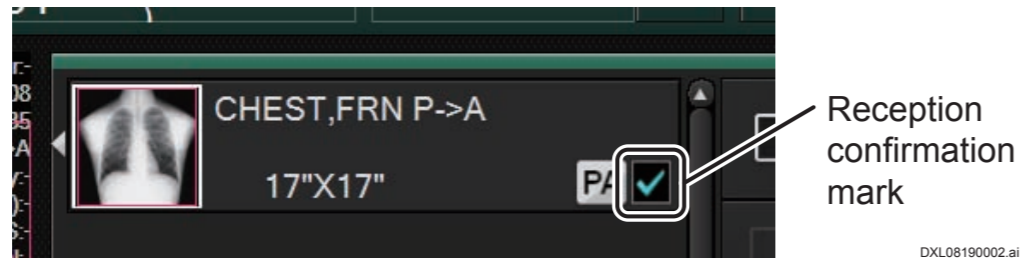
4. Check to see that the error message box does not open at top right of the window.

3.2 Checking the Data Exchange

Check to see that data can be exchanged with the X-CON as per configuration settings (CSL/IDT FUNCTION).

- If “45. Xcon Performed Info. Reception” in Configuration “5. CSL/IDT FUNCTION” is enabled:

When X-CON’s actual values, including those of tube voltage, tube current and irradiation time, are received, a mark confirming the reception is displayed at the right top of the study menu on the window.



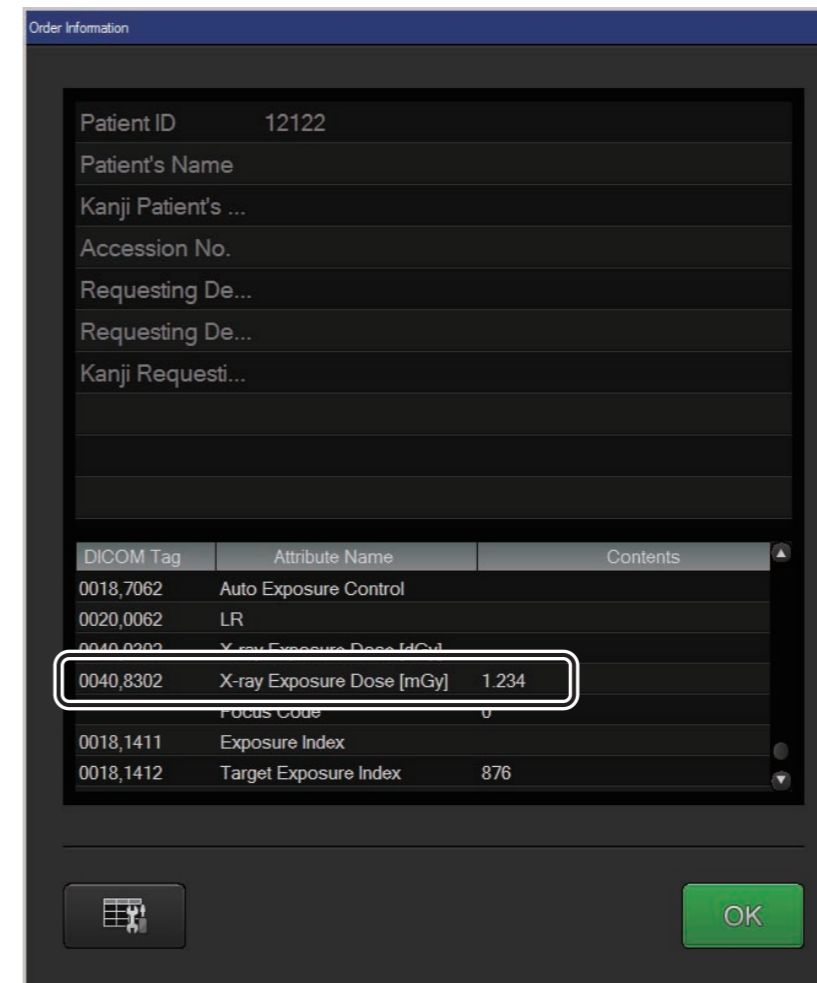
After the completion of exposures, X-CON’s actual values, including those of tube voltage, tube current and irradiation time, will be transferred to RIS or the like via the DR-ID 800CL (the values can be verified also on film).

- If “46. Xcon Exposure Info. Transfer” in Configuration “5. CSL/IDT FUNCTION” is enabled:

Setup values of the exposure menu (exposure conditions based on the APR information) will be reflected on the X-CON during exposures.

- If the calculated dose value is received:

Exposure dose is displayed in the “Order Information” window.




4. Backing Up the Setup File

Back up the DR-ID 800CL setup file.

Have the following item be ready for use.

- Storage media (FD, USB memory stick or the like)

 For details on the backup procedure, see [“5. Restoring/Backing Up the Configuration File — Configuration Restore/Backup”](#) under [“MU: Maintenance Utility”](#).

5. Table of X-CON Connections and User Utility Settings

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)				(j)	(k)	(l)
	Model code	Exposure/ perspective flag	X-ray tube/ technique code	Film-related code	Tube voltage	Tube current	Irradiation time	mAs value (Reserved Code 1)	AEC				ID code	Focus size (Reserved Code 2)	Communication I/F spec
									ON/OFF	Sensitivity	Density	X-ray receptor field			
Shimadzu MobileDaRt Evolution	01: MobileDaRt Evolution	0 (fixed)	× × └─ Technique: 2 └─ Tube: 0	0 (fixed)	0040 to 0150 *2	0010 to 1000 *2	0001 to 8000 *2	APR number 0001 to 0144	0 (fixed)	Disabled	0 to 8 are disabled	0 to 7 are disabled	00	0000 (small focus), 1000 (large focus)	RS232C 4800BPS Start: 1bit Data: 8bits Parity: 1bit (even) Stop: 1bit
User Utility Settings	*1	None	Determined by the exposure parameter 1 tab. *3	None	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1	

*1: Determined by the X-ray control parameter tab.

*2: Since the exposure conditions are determined by the APR number, these setting values are to be disregarded.

*3: Set "Selector Setting" in Service Utility to the same value.

BLANK PAGE

BLANK PAGE

Appendix 20 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 21 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 22 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 23 Settings Necessary for Browsing the Operation Manuals (PDF)

➔ REFERENCE

The DR-ID 800CL is referred hereinafter to as the "Console".

This chapter describes the procedures used to perform settings for browsing the Operation Manuals (PDF) on the Console.

◆ NOTE ◆

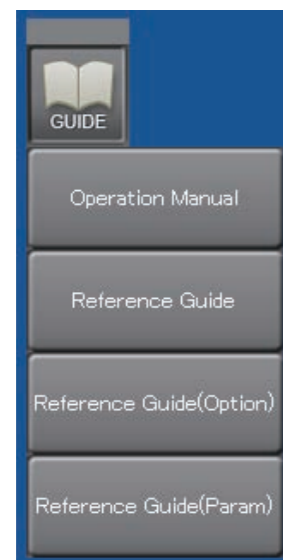
The Operation Manuals (PDF) are password-protected. It is possible to browse the Operation Manuals with the automatically entered password using a tool available for that purpose.

The password entry tool is installed automatically when the tool is installed.

■ Browsing the Operation Manuals

● Browsing on the Console

Install the tool and select a desired manual from the launcher to browse it.



D80C010823002.ai


● Browsing on a PC other than the Console

Directly open the PDF stored on the PC to browse it.

■ Prior to setup

● Browsing on the Console

The Console AP must have been exited accordingly. If the Console AP is running, exit it as follows.

1. Select "Shut Down" in the  menu.
2. Click [OK] while holding down the <Shift> key on the termination window.

● Browsing on a PC other than the Console

- The following are the recommended operating environments.
 - CPU : Intel Pentium4 3.00GHZ or more
 - HDD : 40GB or more
 - Memory : DDR2 SDRAM 128MB or more
 - OS : Windows XP or later
- Uninstall Adobe Reader on ahead if it is installed.

1. Software Setup

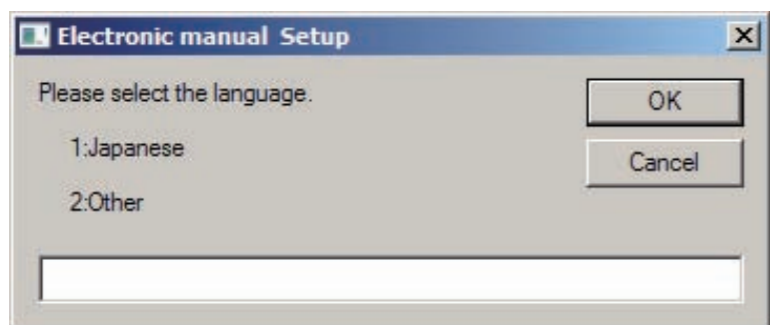
1.1 Tool Installation

◆ NOTE ◆

The tool installation procedure is applicable in common to both the Console and a PC other than the Console.

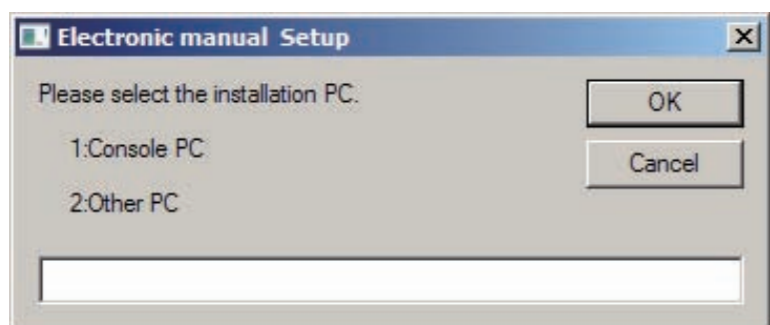
1. Connect the USB disk drive (JIG) to the USB port of the Mobile X-ray Unit.
2. Insert the DR-ID 800CL Operation Manual-Disk into the disk drive.
3. Start up Windows Explorer and double-click “ElectronicManual.vbs” located immediately below the disk drive.

→ A window where a desired language is to be selected will open.



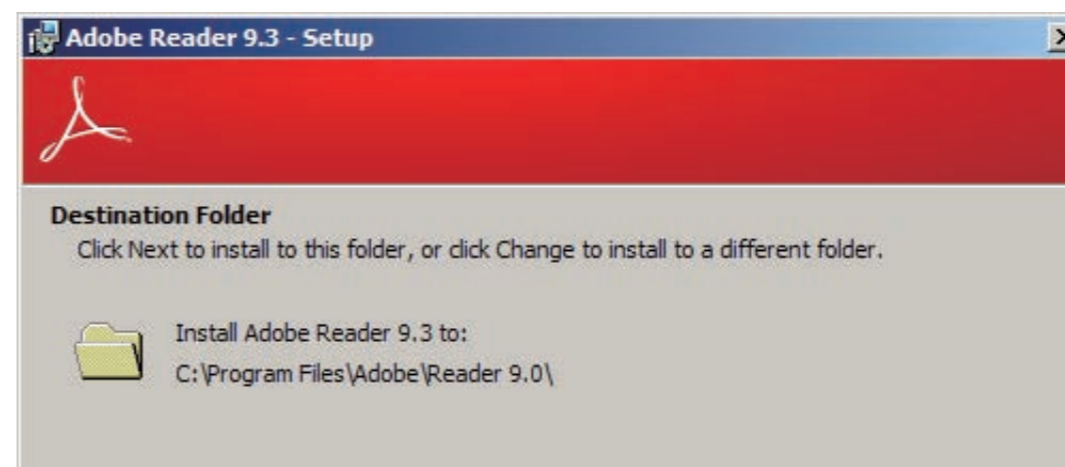
4. Enter “1” for use within Japan and “2” for use other than in Japan. Click then .

→ A window where an installation environment is to be selected will open.



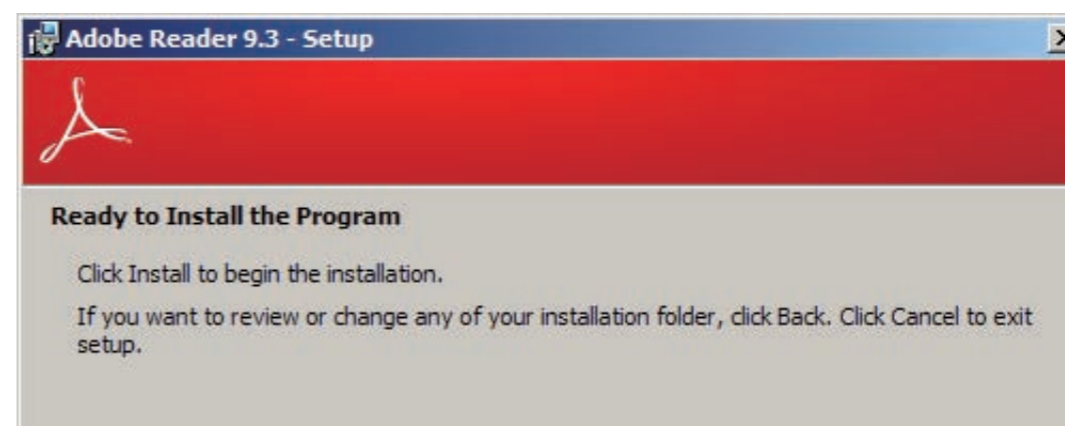
5. To browse a manual on the Console, select “1” and “2” to browse it on a PC other than the Console. Click then .

→ The Adobe Reader installer window opens.



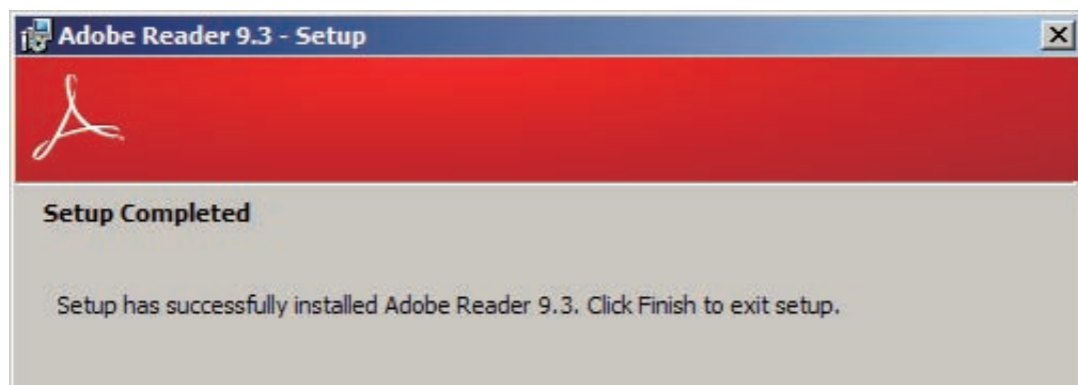
6. Click .

→ A window like that shown below opens.



7. Click .

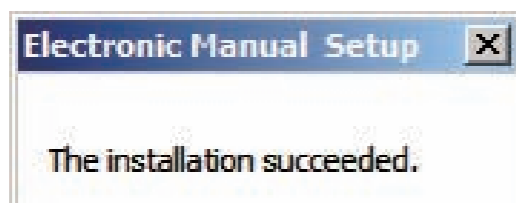
→ After completion of the installation processing, a window like that shown below opens.



DXL823009.ai

8. Click .

→ A window like that shown below opens.



DXL823010.ai

9. Click .

→ The system returns to the desktop.

◆ **NOTE** ◆

Restart the PC if a message appears prompting you to do so.

10. Remove the Disk from the disk drive.

1.2 AP Key Installation

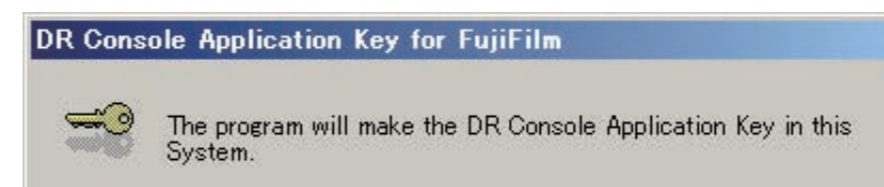
Use the AP key Disk to install the AP key. The installation procedure is shown below.

1. Insert the AP key Disk into the disk drive.

→ After a while, the installation start window automatically opens.

◆ **NOTE** ◆

In case the installation start window does not open automatically, double-click the execution file (extension: exe) in the Disk.



DXL823003.ai

2. Click .

→ A window opens to indicate the completion of installation.

3. Click .

→ The system returns to the desktop screen.

4. Remove the Disk from the disk drive.

1.3 Setting the Adobe Reader Operating Environment

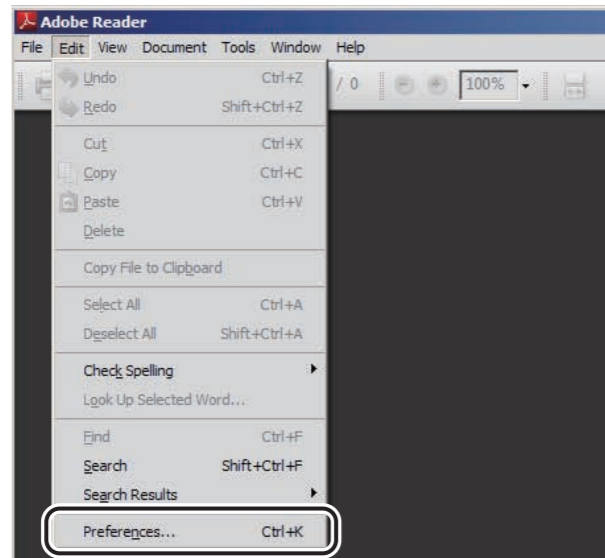
1. Double-click  on the desktop.

→ The License Agreement window opens.

2. Click “I Agree”.

→ Adobe Reader starts running.

3. Select “Edit” - “Preferences”.

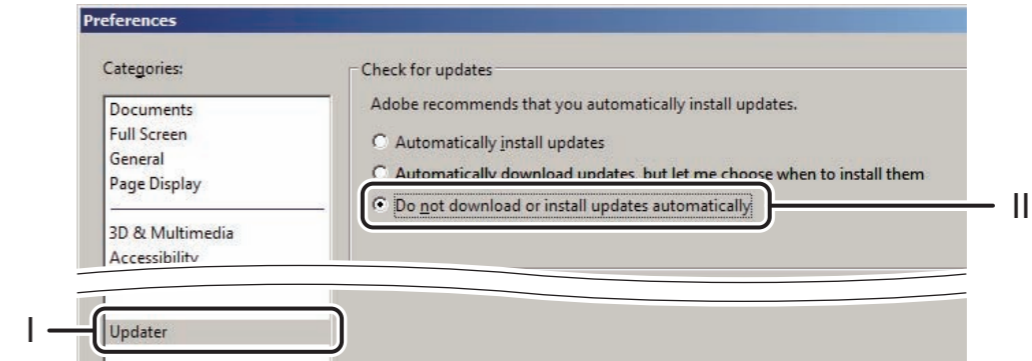


DXL823011.ai

→ The “Preferences” window opens.

4. Perform “Updater” settings as follows.

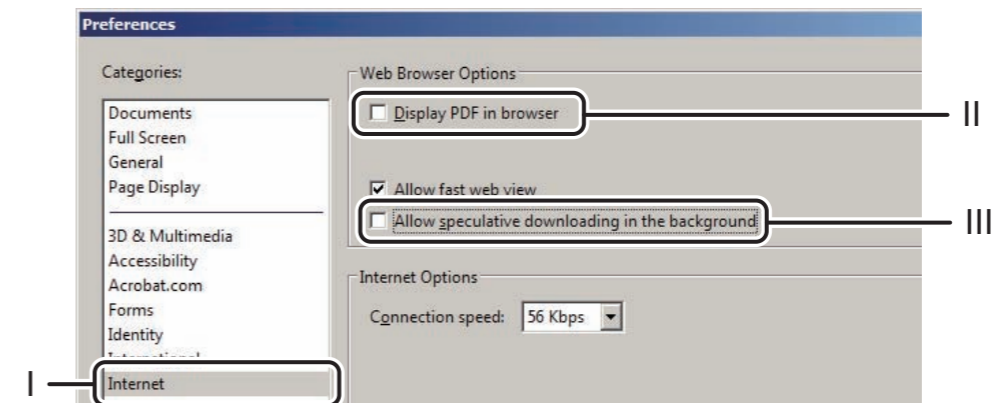
- I. Select [Updater].
- II. Select [Do not download or install updates automatically].



DXL823012.ai

5. Perform “Internet” settings as follows.

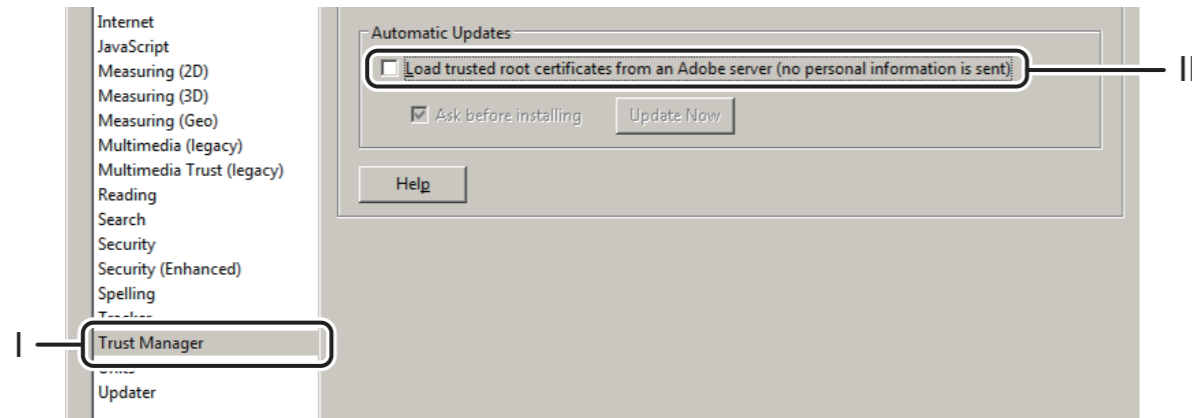
- I. Select [Internet].
- II. Remove checkmark of [Display PDF in browser].
- III. Remove checkmark of [Allow speculative downloading in the background].



DXL823013.ai

6. Perform “Trust Manager” settings as follows.

- I. Select [Trust Manager].
- II. Remove checkmark of [Load trusted root certificates from an Adobe server (no personal information is sent)].

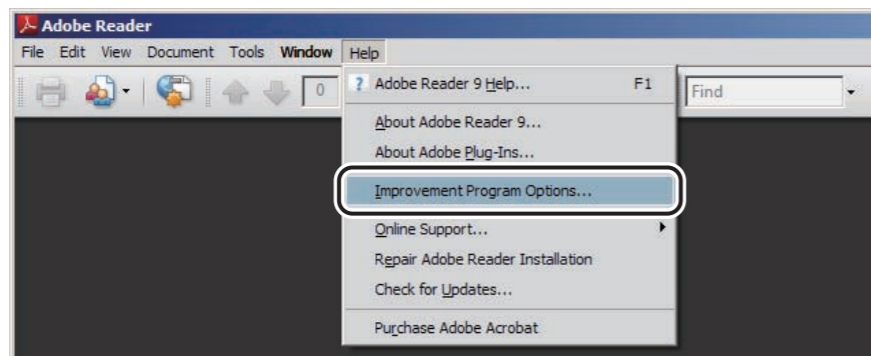


DXL823014.ai

7. Click  and close the [Preferences] window.

→ The system returns to the Adobe Reader main window.

8. Select [Improvement Program Options...] from the [Help] tab.

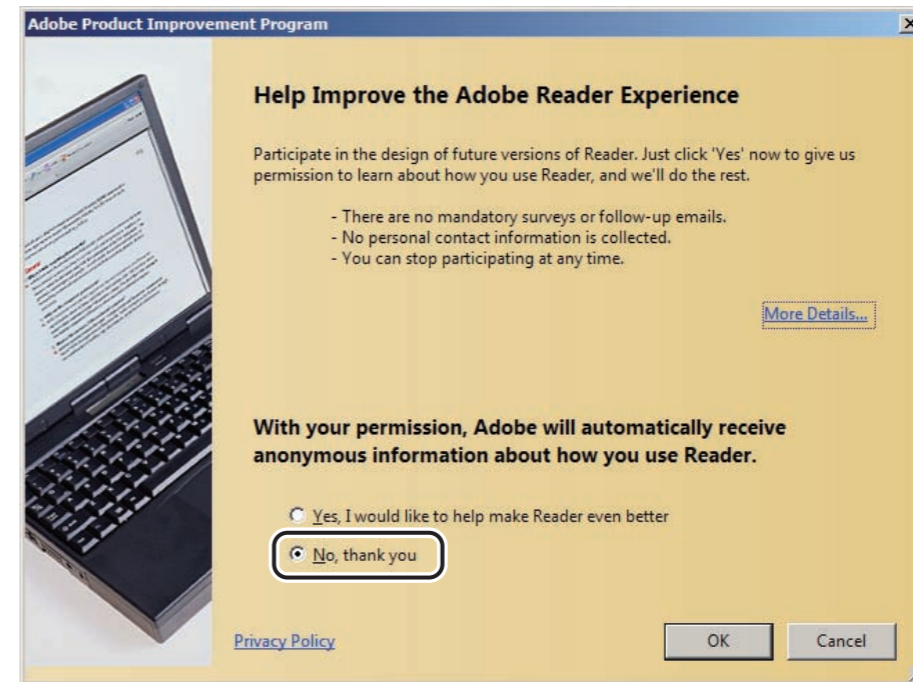


DXL823017.ai

→ The “Adobe Product Improvement Program” window opens.

9. Select [No, thank you] on the window that opens and click [OK].

→ The system returns to the Adobe Reader main window.



DXL823018.ai

10. Click [x] to exit Adobe Reader.

1.4 Correcting and Moving the Setup Files

● Browsing on the Console

◆ NOTE ◆

Correct the setup files as follows only when browsing a manual on the Console.

Installing the tool enables you to browse the four Operation Manuals, as listed below.

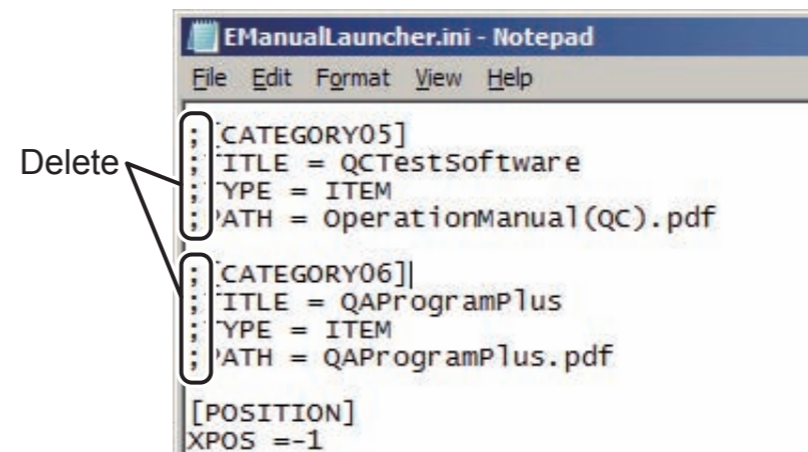
- DR-ID 800CL Operation Manual
- DR-ID 800CL Reference Guide
- DR-ID 800CL Reference Guide (Option)
- DR-ID 800CL Reference Guide (Parameter)

To browse the Image Reader QC Operation Manual (PDF) on the Console at a hospital where the Image Reader QC (option) is installed in its equipment, perform the procedure described below.

1. Open the “C:\Program Files\FujiFilm\Tools” folder.
2. Open the EManualLauncher.ini file with Notepad.

3. Perform the following settings.

- Delete “;” from [CATEGORY05].
- Delete “;” from [CATEGORY06].



4. Save the EManualLauncher.ini file in text format and then close Notepad (Notepad.exe).

● Browsing on a PC other than the Console

◆ NOTE ◆

- *Move the files only when browsing a manual on a PC other than the Console.*
- *Perform the following settings only at a hospital where the QC test software (option) is not used.*

1. Use Explorer to open “C:\Program Files\FujiFilm\Tools\PDF_files\Console_Operation Manual”.
2. Delete “OperationManual(QC).pdf” and “QAProgramPlus.pdf”.

➔ REFERENCE

When a new QC software (option) package is purchased, the above two files need be relocated in the “Console_Operation Manual” folder.

We recommend that you temporarily move such folder to, for example, immediately below “C:\Program Files\FujiFilm\Tools\PDF_files”.

3. Shut down Explorer.

2. Verification

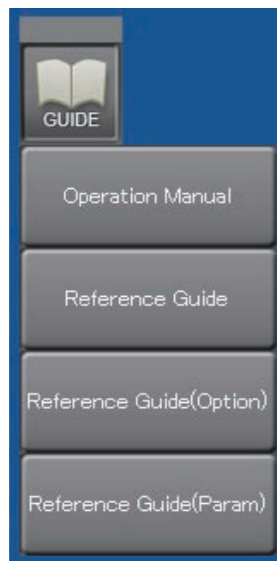
- On the Console

1. Restart the PC.

→ After restarting the PC, the Console AP starts running.

2. Check to see that  (launcher) is displayed on the monitor.

3. Select a desired Operation Manual from  (launcher) and then make sure that the PDF is displayed.



D80C010823002.ai

- On a PC other than the Console

1. Restart the PC.

2. Double-click "Console_Operation Manual" on the desktop.

→ The "Console_Operation Manual" folder appears.

3. Double-click a desired PDF and check to see that it displays correctly.

3. Setup File Backup/Restore

● Backup

1. Use Explorer to open the “C:\Program Files\FujiFilm\Tools” folder.
2. Save the following files onto storage media, such as FD, USB memory stick or the like.
 - EManualLauncher.ini
 - PassWordInput.ini

● Restore

1. Use the file data saved in “● Backup” above to overwrite the related file in the “C:\Program Files\FujiFilm\Tool” folder.

4. Browsing Operation Manuals (PDF) Other Than for the Console

Described herein are the procedures used to browse Operation Manuals other than for the Console, such as for the FDR Image Reader or FCR Image Reader.

● Browsing on a PC other than the Console

1. Copy the relevant PDF onto a PC on which the desired Operation Manual is to be browsed.

➔ REFERENCE

Move the operation sequence to the folder where the relevant PDF is to be stored or create related shortcuts, as necessary.

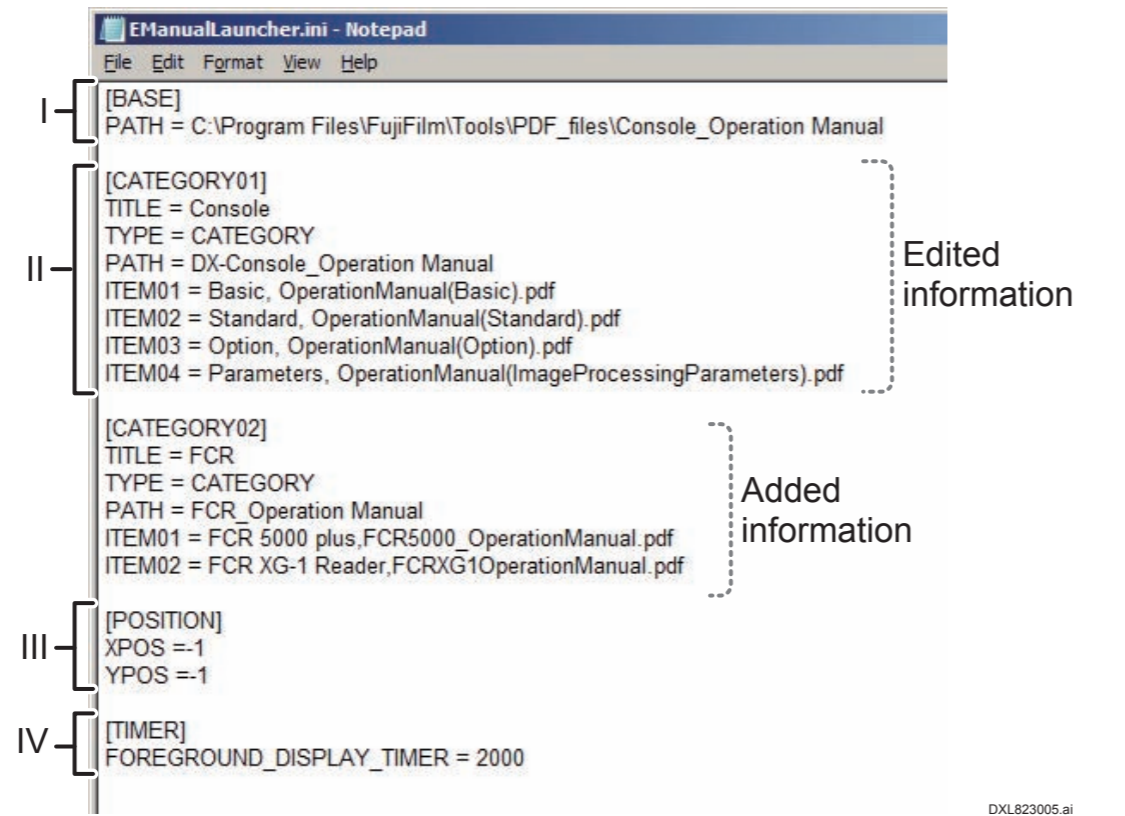
● Browsing on the Console

➔ REFERENCE

Shown below is the procedure used to create “Console” and “FCR Image Reader” categories in the launcher and browse the desired Operation Manual (PDF) from the respective category. The sample Operation Manuals to be added are for “FCR 5000plus” and “FCR XG-1 Reader”.

1. Open the “C:\Program Files\FujiFilm\Tools\PDF_files” folder.
2. Create a new folder and then change the folder name appropriately (E.g. “FCR_OperationManual”).
3. To the folder created at step 2., above, copy PDF of the Operation Manual to be added (E.g. “FCR5000_OperationManual.pdf, FCRXG1OperationManual.pdf”).
4. Open the “C:\Program Files\FujiFilm\Tools” folder.
5. Use the NotePad to open the “EManualLauncher.ini” file.

6. Edit the “EManualLauncher.ini” file as follows.



	Section	Key	Details
		PATH	Name of the folder that stores the PDF. (E.g.: Console_OperationManual) * When “ITEM” is specified for the “TYPE” key above, describe filename of the PDF. * Do not put “\” at the end of the character string. (“\” is valid if it is put at locations other than before and after the character string.)
		ITEM**	The Operation Manual name and filename are specified here. Describe a name to be displayed in the launcher in order of “(Operation Manual name), (PDF filename)”. * 01 to 10 can be specified for “ITEM**”.
III	[POSITION]	XPOS YPOS	The launcher display position is specified here. (Default: XPOS=1, YPOS=-1. The launcher appears at bottom right of the window.)
IV	[TIMER]	FOREGROUND_DISPLAY_TIMER	The time required until the launcher appears in the forefront of the window. (unit: millisecond). 1000 up to 60000 can be specified.

	Section	Key	Details
I	[BASE]	PATH	Path of the folder where the PDF is to be stored. (C:\Program Files\FujiFilm\Tools\PDF_files) * Do not put “\” at the end of the character string. * Be sure to specify the path name in full.
II	[CATEGORY**]	TITLE	A character string to be displayed for the category menu. (E.g.: Console) * A name thus determined is displayed in the launcher as the category. * 01 to 10 can be specified for [CATEGORY**].
		TYPE	“CATEGORY” or “ITEM” is to be specified here. * When “ITEM” is specified here, the PDF specified for PATH will open at the click of the menu.

7. Save the edited “EManualLauncher.ini” file in text format and then close NotePad.

8. Restart the PC.

→ After the restart, the Console AP starts running.

9. Choose a desired Operation Manual from  (launcher) and ensure that the relevant PDF is displayed.



DXL823001.ai

BLANK PAGE

Appendix 24 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 25 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 26 Setting the Serial Connector

➔ REFERENCE

There are the following one type of function to use serial connector on DR-ID 800CL.

- X-CON

1. Port and Service Utility Settings

If using the X-CON, the port and Service Utility need to be set.

1. Use the Service Utility capability to set up the port number to be used.

☞ For details of the individual setup items, see “3.7 Configuration Details — 5. CSL/IDT FUNCTION” under “MU: Maintenance Utility”.

Table CSL/IDT FUNCTION setup items

No.	Name
44	Xcon Serial_TX Control Port

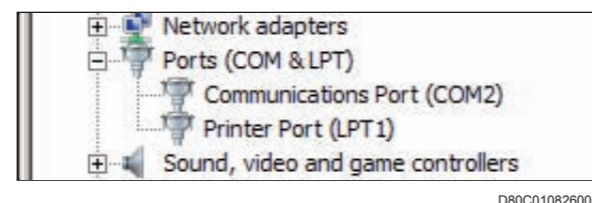
2. Select “Control Panel” from the  menu.

➔ The “All Control Panel Items” window opens.

3. Click  **Device Manager** .

➔ The “Device Manager” window opens.

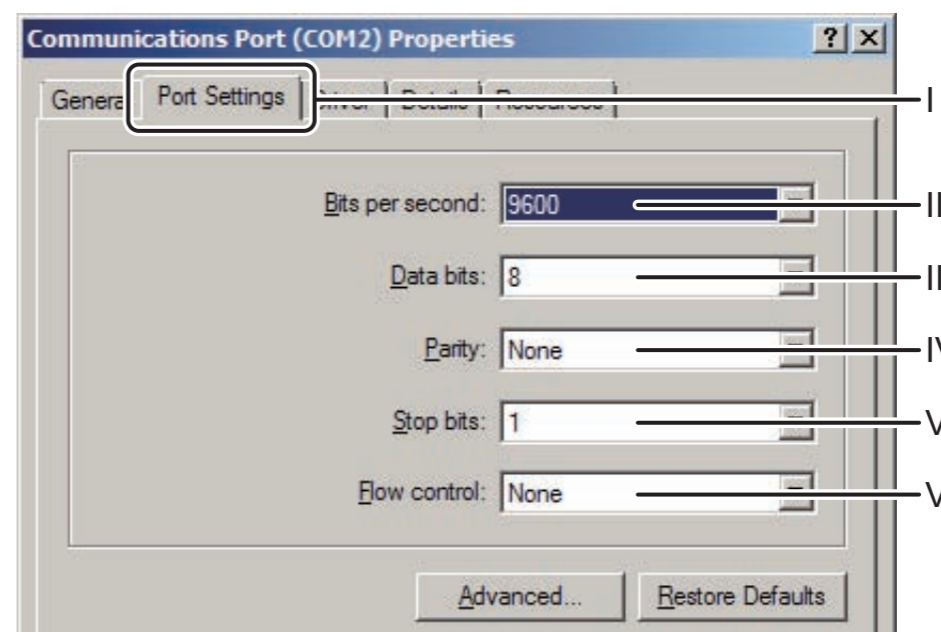
4. Click the  symbol at the left-side of “Port (COM & LPT)”.



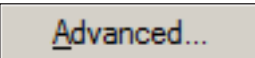
5. Right-click the COM port the serial cable is connected to, and select “Properties”.

➔ The “Communications Port (COM2) Properties” window opens.

6. Perform the following settings for COM port properties window.



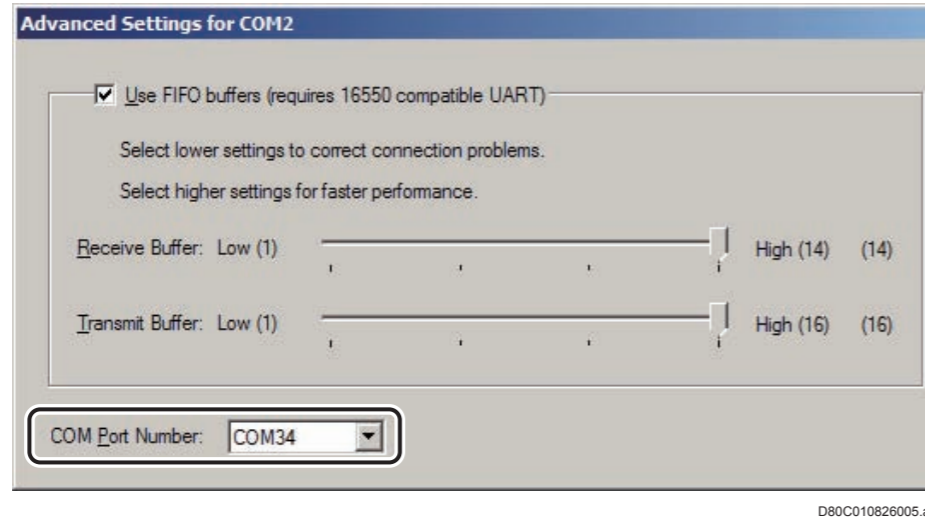
- I. Select the “Port Settings” tab.
- II. Select the same value set in CONFIG “CSL/IDT FUNCTION” — “111:Xcon Serial_TX Baudrate”.
- III. Select “8”.
- IV. Select “None”.
- V. Select “1”.
- VI. Select “None”.

7. Click  .

➔ The “Advance Settings for COM2” window opens.

8. Select a port number value, which is the one that is added by “32” to the value set up in the Service Utility.

Example: Select “COM34” when
“44:Xcon Serial_TX Control Port” = “2”.



9. Click .

→ The system returns to the “Communications Port (COM2) Properties” window.

10. Click .

→ The system returns to the “Device Manager” window.

11. Close the “Device Manager” window.

→ The system returns to the “All Control Panel Items” window.

12. Close the “All Control Panel Items” window.

→ The system returns to the desktop screen.

BLANK PAGE

BLANK PAGE

Appendix 27 DAP (Dose-area Product Meter)

This chapter describes the procedure used to perform settings necessary for acquiring DR-ID 800CL of X-ray radiation information (dose-area product information) when an X-ray image is taken, with a dose-area product meter (hereinafter referred simply to as the “DAP”) connected properly to the Mobile X-ray Unit.

The X-ray radiation information (dose-area product information) thus acquired is displayed in the study information list window on the study execution screen.

■ Prior to setup

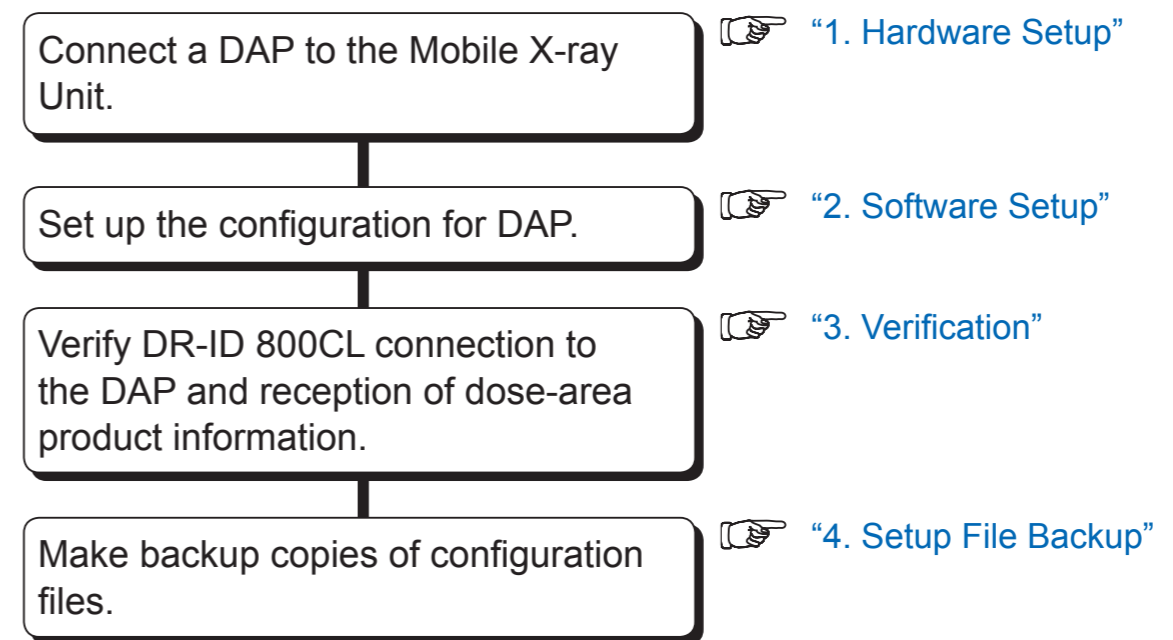
● DR-ID 800CL requirements

- The DR-ID 800CL main unit must have been set up accordingly.

● Connected DAP

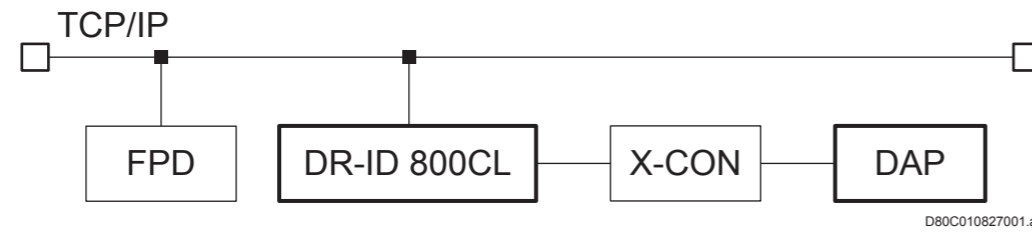
- Only VacuTEC’s VacuDAP-OEM “1580015” (0.1mGycm²) can be connected.

■ Overall operation flow



1. Hardware Setup

Connect the DAP to DR-ID 800CL via X-CON.



 For the procedure of DAP installation, see the installation manual of the Mobile X-ray System.


2. Software Setup

2.1 Starting the Service Utility

2.2 Setting the Configuration Items

2.3 Exiting the Service Utility

2.1 Starting the Service Utility

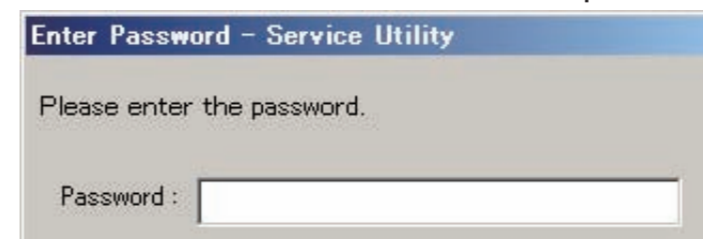
1. From the  menu, sequentially choose “All Programs”, “Fuji Film”, and “Console Advance”.
→ The DR-ID 800CL-AP starts up.
2. Within a period of 3 seconds after the initial window opens, sequentially click the upper left and upper right corners of the window.

Click the upper left corner and then the upper right corner.



DXL03100001.ai



→ The “Enter Password” window opens.



00000119.ai

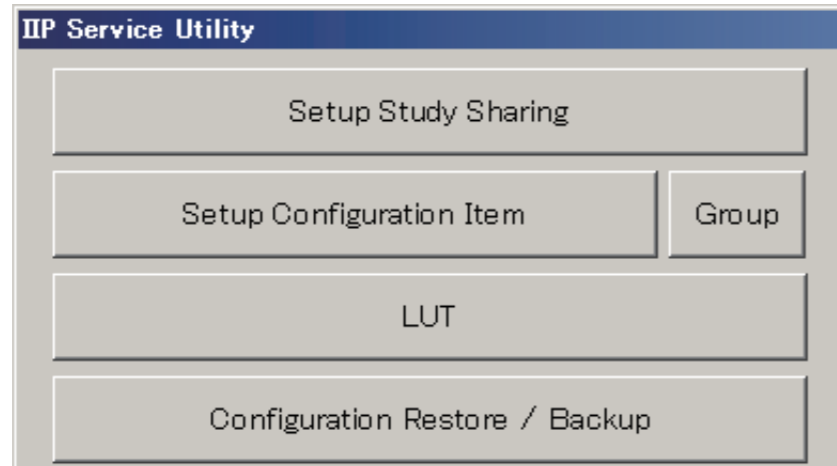
➔ REFERENCE

If you cannot complete step 2. from the initial window within a 3-second period and allow the AP to start up, perform the following steps to start the Service Utility:

1. To exit the AP, choose “Shut Down” in the  menu.
2. On the shutdown window, click [OK] while holding down the <Shift> key.
3. From the  menu, sequentially choose “All Programs”, “Fuji Film”, and “Console Advance”.
4. When the initial window opens, sequentially click its upper left and upper right corners within a period of 3 seconds.

3. Enter “fieldengineer” and click  .

→ The Service Utility mode starts and then the “IIP Service Utility” window opens.

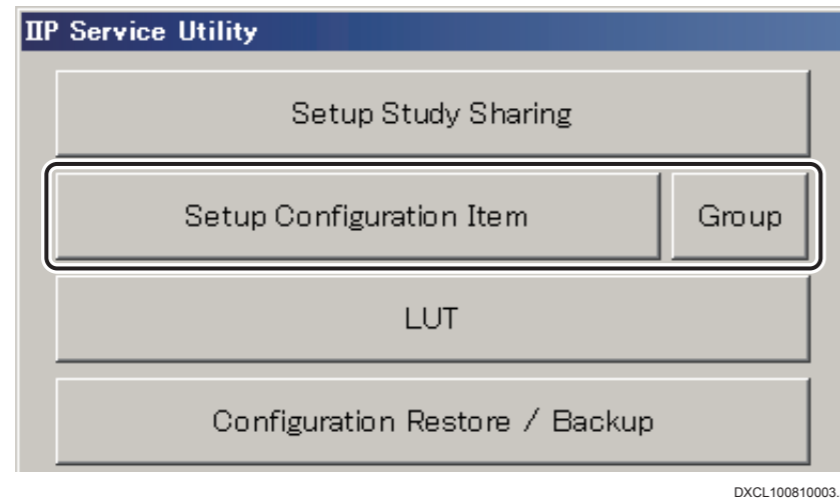


DXCL100810002.ai

2.2 Setting the Configuration Items

Perform settings for the DAP-related configuration items, as follows.

1. Click [Setup Configuration Item] on the “IIP Service Utility” window.



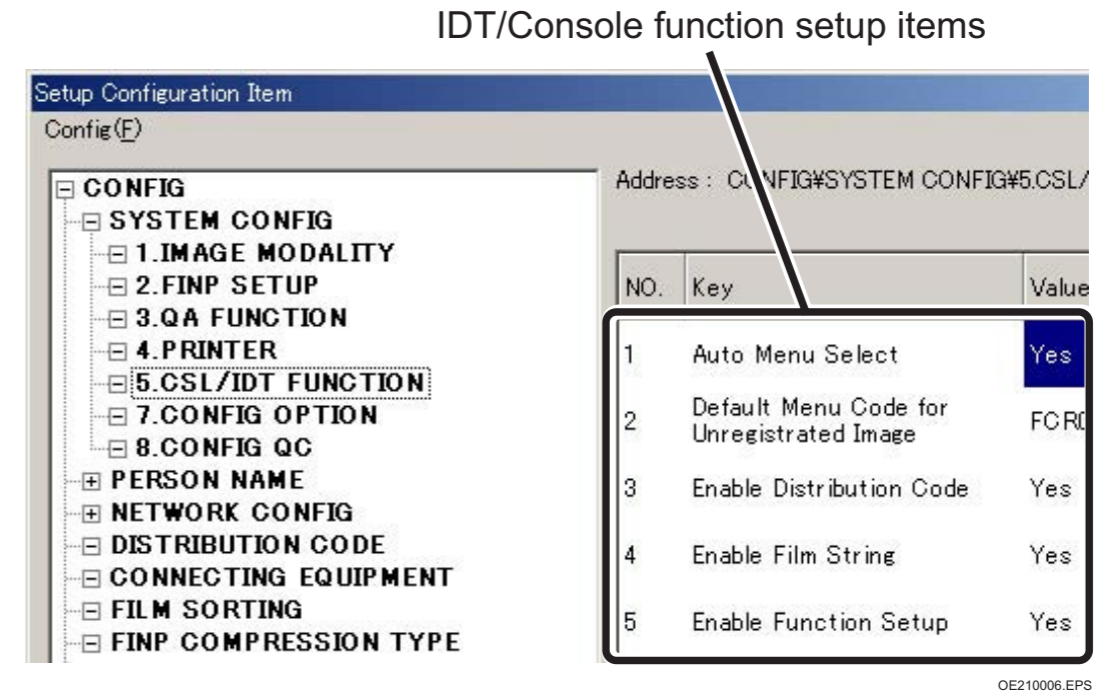
→ The “Setup Configuration Item” window opens.



2. Click the mark to the left of SYSTEM CONFIG.

3. Click 5.CSL/IDT FUNCTION.

→ The IDT/Console function setup items appear in the right-hand area of the window.



4. Perform settings for the following DAP-related configuration items.

No.	Name	Selection	Meaning
117	Xcon DoseValue1	<input type="radio"/> 0 : Average Organ Dose Assigns the mammary gland absorption dose to Value 1. <input checked="" type="radio"/> 1 : Entrance Dose Assigns the exposure dose to Value 1. <input type="radio"/> 2 : Dose Product Assigns the area dose to Value 1.	Specifying which of the mammary gland absorption dose, exposure dose and area dose (of the two types of dose values transmitted from the X-CON) is to be assigned to Value 1. * To connect a DAP, set this item to "2:Dose Product".
364	Xcon Dose Unit	<input checked="" type="radio"/> 100 "1dGycm2" is used as the unit. <input type="radio"/> 1 "1mGycm2" is used as the unit. (For VacuDAP 1570015) <input type="radio"/> 0.1 "0.1mGycm2" is used as the unit. (For VacuDAP 1580015)	Specifying the unit of area dose value notified as the result (how many times based on mGycm2). * When a dose-area product meter is to be connected to the Fuji product, set this item to "0.1".

⊙ : Default setting, * : Note

5. Select "Save" from the "Config" menu.

→ A window opens prompting you to confirm the setup data to be saved.

6. Click  .

→ The setup data is saved accordingly.

2.3 Exiting the Service Utility

1. Select [Close] from the "Config" menu on the "Setup Configuration Item" window.

→ The system returns to the "IIP Service Utility" window.

2. Click [Exit Service Utility] on the window that opens.

→ The system returns to the desktop.

3. Verification

Verify connection to a DAP, as follows.

3.1 Starting the DR-ID 800CL-AP

3.2 Verifying Connection to a DAP

3.3 Verifying Reception of Dose-area Product Information


3.4 Verifying Transfer of Dose-area Product Information

3.4.1 When DICOM PPS Connection is Enabled

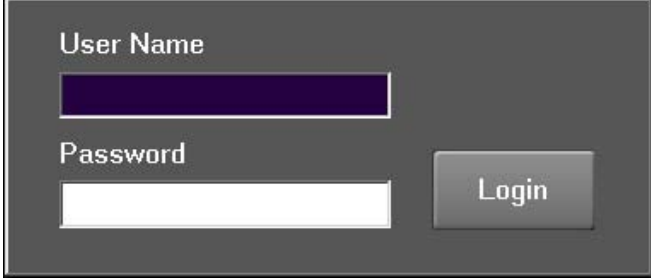
3.4.2 When DICOM Storage Connection is Enabled

3.4.3 When DICOM Print Connection is Enabled

3.1 Starting the DR-ID 800CL-AP

1. From the  menu, sequentially choose “All Programs”, “Fuji Film”, and “Console Advance.

→ The Log-in window opens.



The screenshot shows a dark-themed login window. It has two input fields: "User Name" and "Password". The "User Name" field contains a purple bar, and the "Password" field contains a white bar. To the right of the "Password" field is a "Login" button. The window title bar is not visible.

CLP74010.EPS

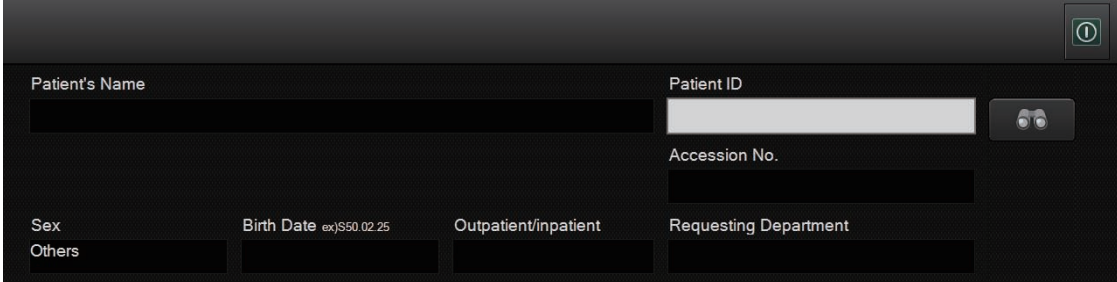
2. Enter the following.

User name : 11111 (default)

Password : 11111 (default)

3. Click [Login].

→ The DR-ID 800CL-AP starts up.

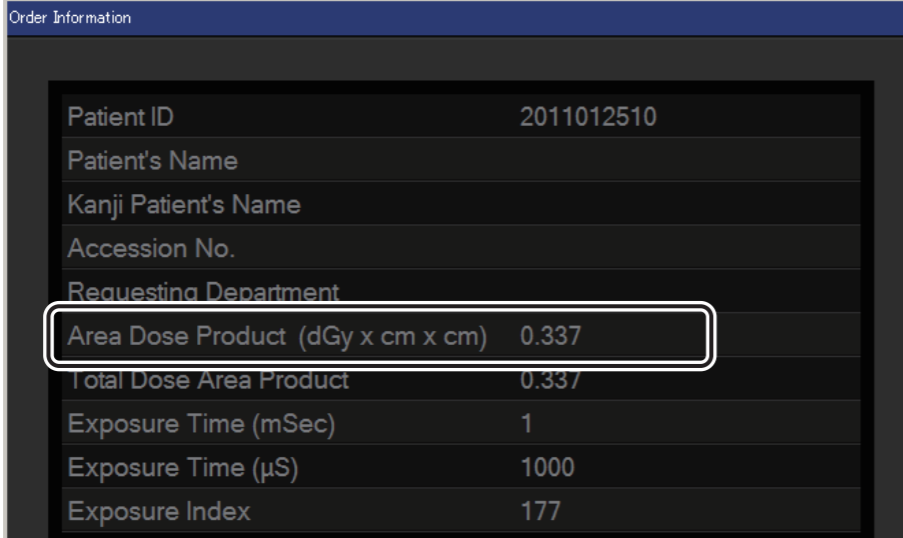


The screenshot shows the main interface of the DR-ID 800CL-AP. It has a dark background with several input fields. The fields are: "Patient's Name", "Patient ID", "Accession No.", "Sex", "Birth Date" (with a date example "ex)S50.02.25"), "Outpatient/inpatient", and "Requesting Department". There is a small icon in the top right corner of the window.

DXL08030002.ai

3.2 Verifying Connection to a DAP

Open the “Order Information” window and confirm that the dose-area product information is displayed.



Order Information	
Patient ID	2011012510
Patient's Name	
Kanji Patient's Name	
Accession No.	
Requesting Department	
Area Dose Product (dGy x cm x cm)	0.337
Total Dose Area Product	0.337
Exposure Time (mSec)	1
Exposure Time (μS)	1000
Exposure Index	177

DXL08270005.ai

3.3 Verifying Reception of Dose-area Product Information

1. Register any study menu, and then perform exposure to read an image.
2. On the DR-ID 800CL's study execution screen, display the study information list window to check the following values.
 - Total dose-area product of a study
 - Image-area dose product
3. Display the DR-ID 800CL's study reception screen.

3.4 Verifying Transfer of Dose-area Product Information

3.4.1 When DICOM PPS Connection is Enabled

1. On the RIS system, select a study for which the reception of dose-area product information was definitely confirmed.

◆ **NOTE** ◆

Select the study that was checked for in “3.3 Verifying Reception of Dose-area Product Information” above.

2. With regard to the received study, check the following of the actual measurement values.

- Total dose-area product of a study
- Image-area dose product

 For details on the DICOM PPS function setup procedure, see “[Appendix 13 RIS: DICOM MWM/DICOM PPS](#)”.

3.4.2 When DICOM Storage Connection is Enabled

1. Transfer a study for which the reception of dose-area product information was definitely confirmed to a DICOM Storage device.

◆ **NOTE** ◆

Select the study that was checked for in “3.3 Verifying Reception of Dose-area Product Information” above.

2. For each of the image information items included in the received study, check the following values.

- Image-area dose product

 For details on the DICOM Storage function setup procedure, see “[Appendix 10 DICOM CR Storage](#)” and “[Appendix 11 DICOM DX Storage](#)”.

3.4.3 When DICOM Print Connection is Enabled

1. Output a study for which the reception of dose-area product information was definitely confirmed to a DICOM Printer device.

◆ **NOTE** ◆

Select the study that was checked for in “3.3 Verifying Reception of Dose-area Product Information” above.

2. Make sure that dose-area product information (for each image) is printed on the output film.

◆ **NOTE** ◆

As a standard function, no dose-area product information is printed on output film. Edit the `FilmStrFm.env` file so that necessary settings are performed to print dose-area product information on output film properly.


 For how to edit the `FilmStrFm.env` file, see “[8. Print Output Function](#)” under “[MU: Maintenance Utility](#)”.

4. Setup File Backup

Back up the DR-ID 800CL setup file.

Have the following item be ready for use.

- Storage media (FD, USB memory stick or the like)

 For details on the backup procedure, see [“5. Restoring/Backing Up the Configuration File — Configuration Restore/Backup”](#) under [“MU: Maintenance Utility”](#).

BLANK PAGE

BLANK PAGE

Appendix 28 Simple Ordering

The simple ordering is a function to send/receive order information (request/result) between ordering device (device to manage study orders and patient information within an institute, such as RIS) and DR-ID 800CL by exchanging XML files of order request and result information between them.

This section explains the setting procedures to use the Simple Ordering function or the RIS Order USB function.

◆ NOTE ◆

The simple ordering function or RIS Order USB function cannot co-exist with the following optional functions.

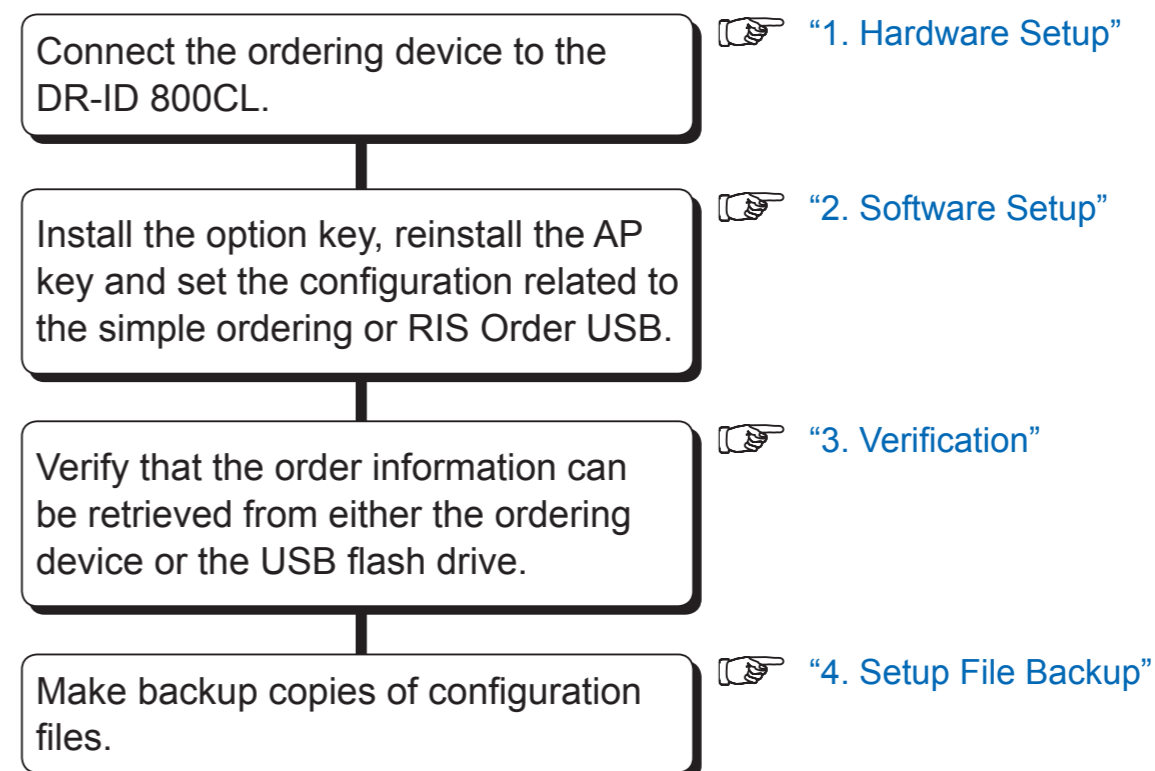
- *DICOM MWM Function (DX CL DICOM ORDER MWM or DX CL DICOM ID MWM)*
- *DICOM PPS Function (DX CL DICOM MPPS)*

■ Prior to setup

● DR-ID 800CL requirements

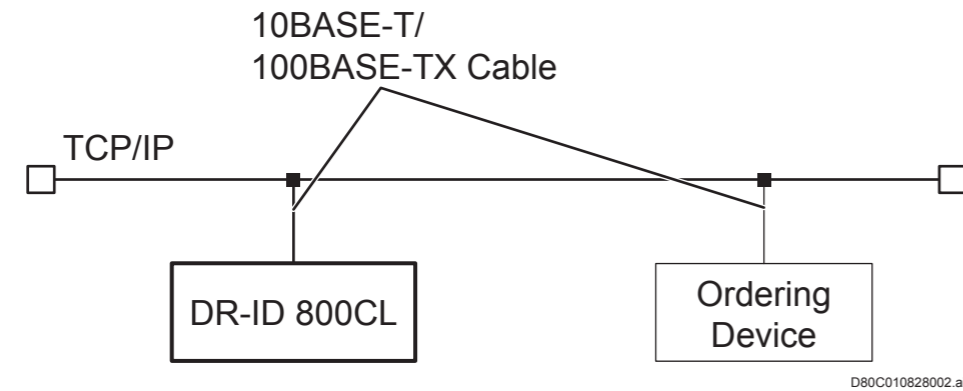
- The DR-ID 800CL main unit must have been set up accordingly.
- The Option key (DX CL SIMPLE ORDERING) is required.

■ Overall operation flow



1. Hardware Setup

Connect the ordering device to the DR-ID 800CL via the network, as illustrated below.



◆ NOTE ◆

- Do not connect the telephone line to the DR-ID 800CL and ordering device network connectors.
- The cable type applicable to the DR-ID 800CL equipment is the IEC950/UL1950-compliant UTP cable of category 5 or higher.

2. Software Setup

2.1 Installing the Simple Ordering Option Key

2.2 Reinstalling the AP Key

2.3 Setting the Configuration Related to the Simple Ordering

2.4 Creating and Setting the Shared Folder

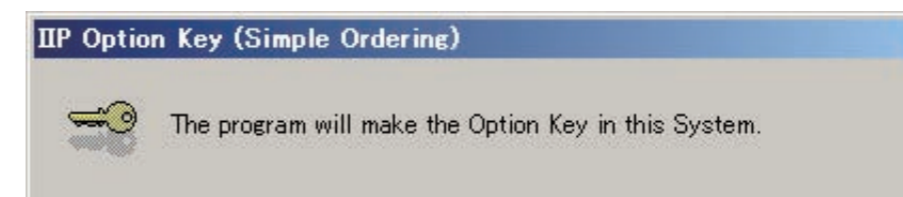
2.1 Installing the Simple Ordering Option Key

Simple ordering option key (DX CL SIMPLE ORDERING) is required to use the simple ordering.

1. Connect the USB disk drive (JIG) to the USB port of the Mobile X-ray Unit.
2. Insert the option key disk into the disk drive.
→ After a while, the installation start window automatically opens.

◆ **NOTE** ◆

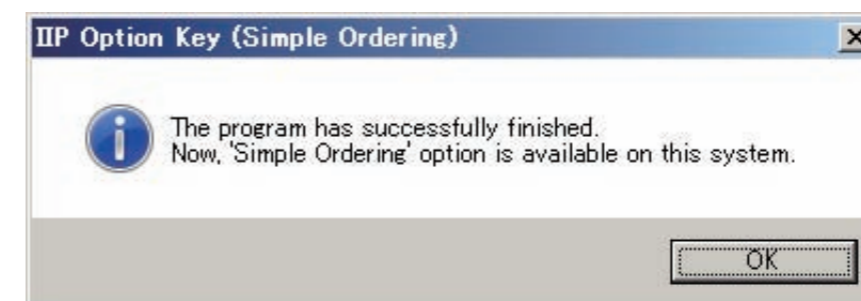
Double-click directly the execution file (Filename extension: exe) in the Disk when the window does not display automatically.



DXL08280002.ai

3. Click .

→ The window to express the completion of installation opens.



DXL08280003.ai

4. Click .

→ The system returns to the desktop screen.

5. Remove the Disk from the disk drive.

2.2 Reinstalling the AP Key

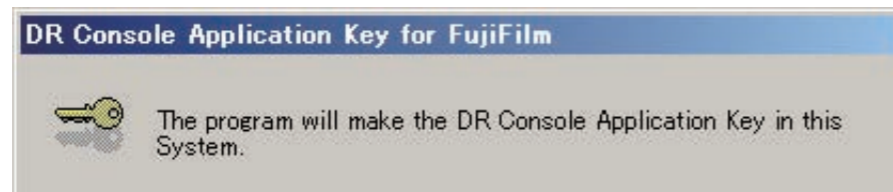
Be sure to reinstall the AP key when you installed the option key. Use the AP key Disk to reinstall the AP key. Installation procedures are shown below.

1. Insert the AP key Disk into the disk drive.

→ After a while, the installation start window automatically opens.

◆ NOTE ◆

Double-click directly the execution file (Filename extension: .exe) in the Disk when the window does not display automatically.



2. Click .

→ The window to express the completion of installation opens.




3. Click .

→ The system returns to the desktop screen.

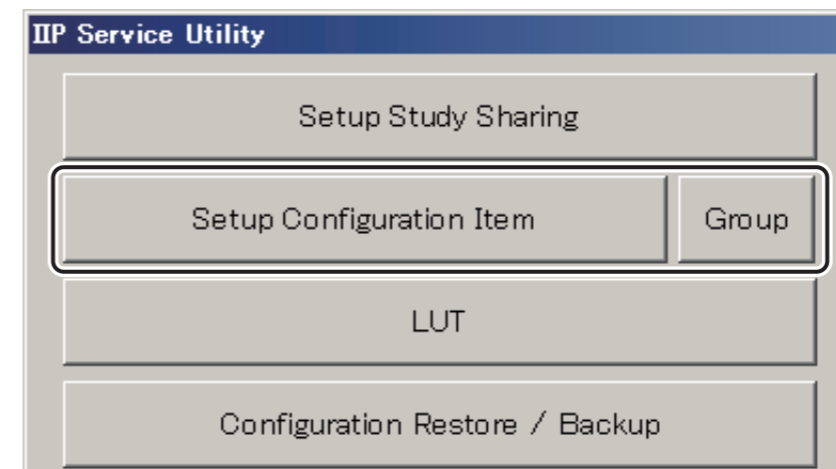
4. Remove the Disk from the disk drive.

2.3 Setting the Configuration Related to the Simple Ordering

1. Start up the DR-ID 800CL Service Utility mode.

 For details of DR-ID 800CLs Service Utility mode startup, see “1. Starting/Exiting the Service Utility” in “MU: Maintenance Utility”.

2. Click [Setup Configuration Item].



→ The “Setup Configuration Item” window opens.

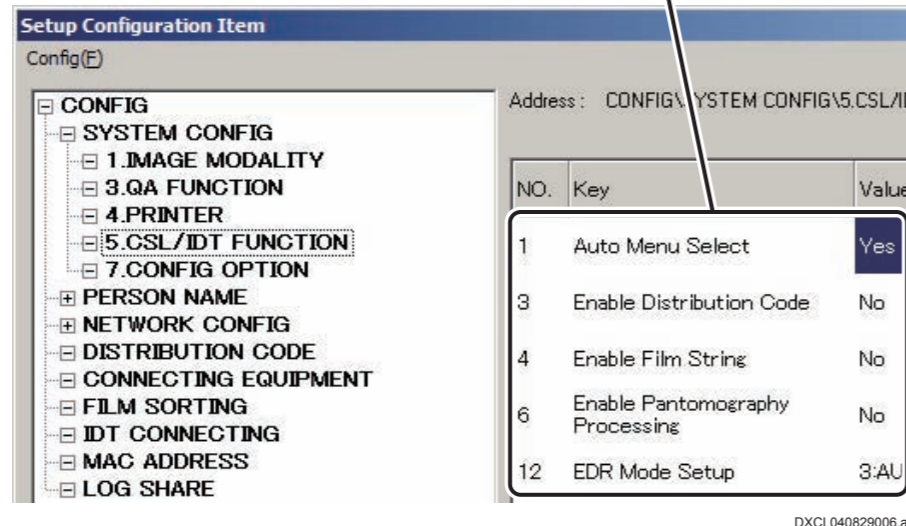


3. Click the mark to the left of .

4. Click [5.CSL/IDT FUNCTION].

→ The IDT/Console function setup items will be displayed on the right-hand side of the window.

IDT/Console function-related setup items



5. Set up the following configuration items related to the simple ordering.

No.	Name	Selection	Meaning
56	Enable Patient Info. DB Function	<input type="radio"/> No Does not use the patient database function. <input checked="" type="radio"/> Yes Uses the patient database function.	Specifying whether or not to use the patient database function. * The setup value becomes invalid if the mass screening order issuance function is activated.

⊙ : Default setting, *: Note

No.	Name	Selection	Meaning
97	Receipt Computer Info File Share Folder	⊙ C:\User\IIP\ ReceiptShare\	Specifying a folder in which the shared information file is to be stored when a receipt computer is connected. * Set up with up until 256 characters in alphanumeric characters. * Be sure to enter a 1-byte character string from the keyboard.
100	Receipt Computer Info File Temporal Folder	⊙ C:\Program Files\FujiFilm\ IIP\Data\ Reserved	Specifying a folder in which an information file where an error occurred is to be backed up when a receipt computer is connected. * Set up with up until 256 characters in alphanumeric characters. * Be sure to enter a 1-byte character string from the keyboard.
307	Simplified Ordering Report Share Folder	⊙ C:\User\IIP\ OrderingReport Share\	Specifying the directory to share files of the actual result information when connecting to Simple Ordering. * Set up with up until 256 characters in alphanumeric characters. * Be sure to enter a 1-byte character string from the keyboard.

⊙ : Default setting, *: Note

6. Select “Save” from the “Config” menu.

→ A window opens prompting you to confirm the setup data to be saved.

7. Click .

→ The setup data is saved accordingly.

8. Select “Close” from the “Config” menu.

→ The system returns to the “IIP Service Utility” window.

9. Click [Exit Service Utility].

→ The system returns to the desktop screen.


2.4 Creating and Setting the Shared Folder

◆ NOTE ◆

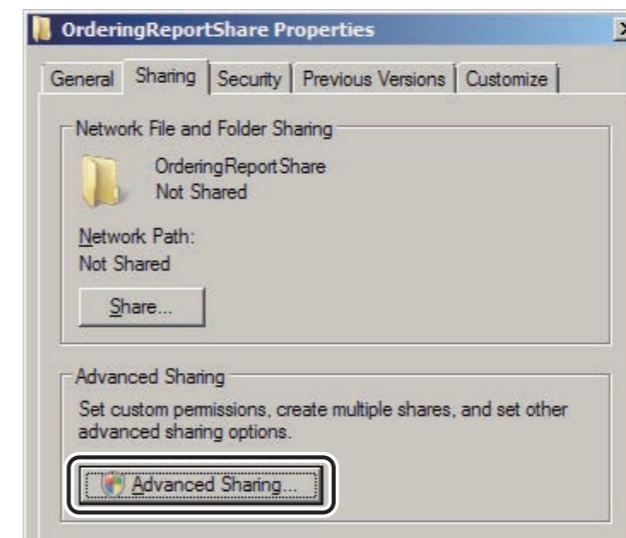
- The folder names of the shared folder of “No.97 Receipt Computer Info File Share Folder” under “5. CSL/IDT FUNCTION” and the shared folder of “No.307 Simplified Ordering Report Share Folder” can be specified arbitrarily at any locations where DR-ID 800CL and ordering device can access.
- If the location or name of the shared folder is changed from the default setting, also change the setting in Service Utility.

➔ REFERENCE

This section mainly deals with the examples of creating the “OrderingReportShare” folder and the “ReceiptShare” folder at the default setting location and setting up the sharing options.

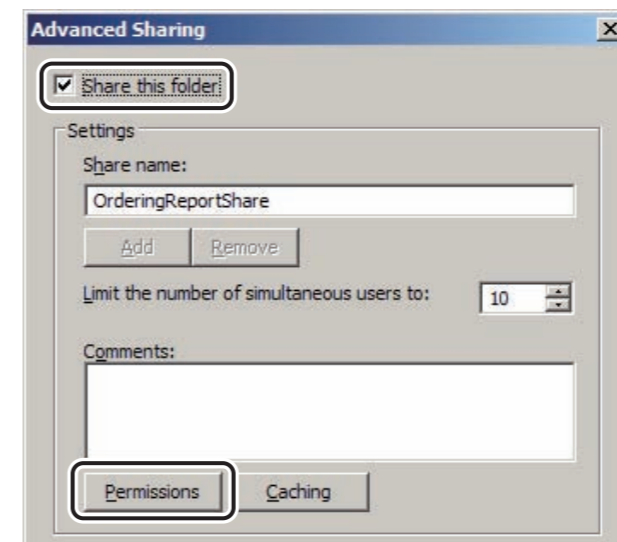
1. Click “Computer” from the  menu.
→ The “Computer” window opens.
2. Select “C:\Usr\IIP” and create the “OrderingReportShare” folder.
3. Right-click “OrderingReportShare” folder and select “Share...” → “Advanced Sharing”.
→ The “OrderingReportShare Properties” window opens.

4. Click .



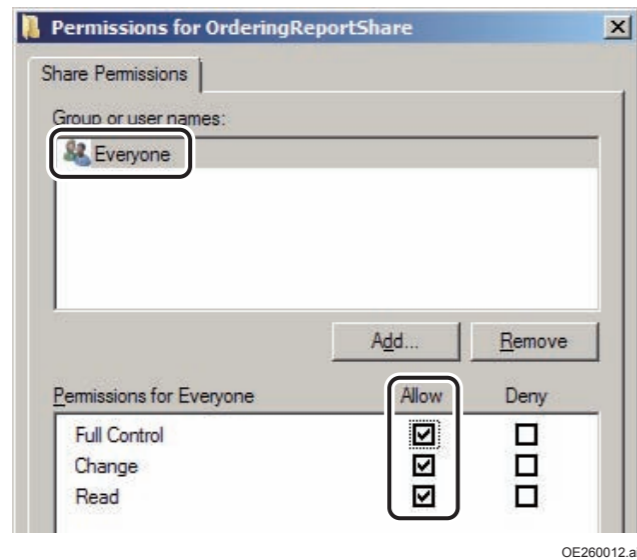
→ The “Advanced Sharing” window opens.

5. Place a checkmark to **Share this folder!** and click .



→ The “Permissions for OrderingReportShare” window opens.

6. Select “Everyone” and place checkmarks to all the checkboxes in the “Allow” column.



7. Click .

→ The system returns to the “Advanced Sharing” window.

8. Click .

→ The system returns to the “OrderingReportShare Properties” window.

9. Close the “OrderingReportShare Properties” window.

10. Select “C:\Usr\IIP” and create the “ReceiptShare” folder.

11. For “ReceiptShare” folder, perform the same procedures as steps 3 through 9.

12. Close the explorer.

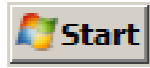
3. Verification

Verify receiving of the order information from the ordering device .

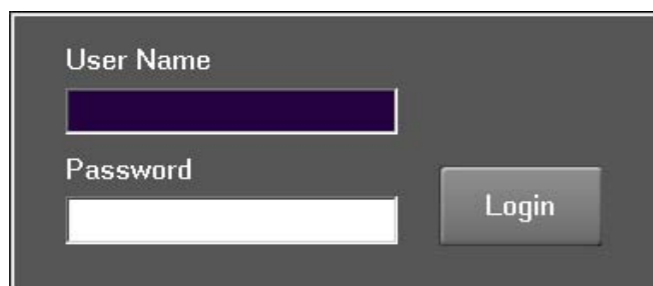
3.1 Starting the DR-ID 800CL-AP

3.2 Verifying Receiving of the Order Information

3.1 Starting the DR-ID 800CL-AP

1. From the  menu, sequentially select “All Programs”, “Fuji Film”, and then “ConsoleAdvance”.

→ The Log-in window opens.



The screenshot shows a login window with a dark background. It contains two text input fields: 'User Name' and 'Password'. The 'User Name' field is currently filled with a solid purple color. To the right of the 'Password' field is a 'Login' button. The window title bar is not visible.

CLP74010.EPS

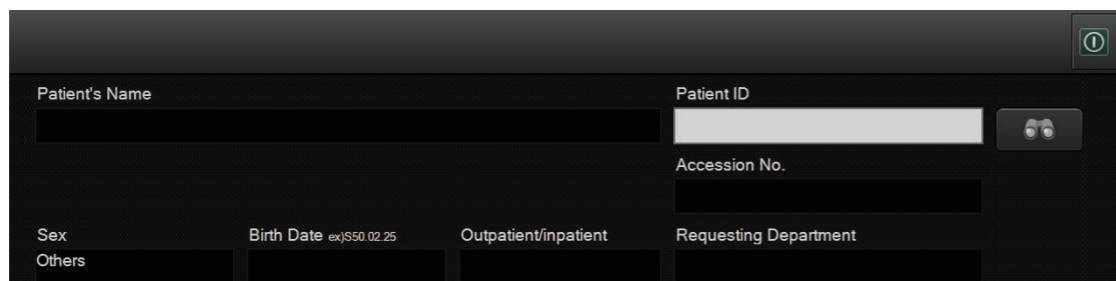
2. Enter the following.

User name : 11111 (default)

Password : 11111 (default)

3. Click [Login].

→ The DR-ID 800CL-AP starts up.



The screenshot shows the main interface of the DR-ID 800CL-AP. It features a dark background with several input fields and a 'Login' button. The fields are: 'Patient's Name', 'Patient ID', 'Accession No.', 'Sex', 'Birth Date' (with a small example 'ex|S50.02.25'), 'Outpatient/inpatient', and 'Requesting Department'. The 'Patient ID' field is currently filled with a solid purple color. There is a small icon in the top right corner of the window.

DXL07040003.ai

3.2 Verifying Receiving of the Order Information

◆ NOTE ◆

The order from the ordering device to start a study can be received only when DR-ID 800CL meet the following conditions.

- The study registration window is displayed.
- The user is not operating on the screen. (No pop-up is displayed.)


1. The user is not operating on the screen. (No pop-up is displayed.)
2. Issue and order from the ordering device to DR-ID 800CL.
3. Verify that the study is automatically started.

4. Setup File Backup

Back up the DR-ID 800CL setup file.

Have the following item be ready for use.

- Storage media (FD, USB memory stick or the like)

 For details on the backup procedure, see [“5. Restoring/Backing Up the Configuration File — Configuration Restore/Backup”](#) under [“Maintenance Utility \(MU\)”](#).

BLANK PAGE

BLANK PAGE

Appendix 29 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 30 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 31 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 32 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 33 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 34 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 35 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 36 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 37 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 38 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 39 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 40 DoseSR (Output for Exposure Dose Management)

This chapter explains the setting procedures for sending exposure dose information in the exposure result as Structure report format to the exposure dose management system using DICOM X-Ray Radiation Dose SR SOP Class when confirming studies.

◆ NOTE ◆

- DoseSR is sent when confirming a study (finishing QA) or redistributing a study from QA.
- DoseSR is a type of information which is not saved in a media.
- Even when multiple sending destinations are set for DR-ID 800CL, DoseSR is output only once to the exposure dose management system.
- The output condition of DoseSR is displayed in the output queue of DR-ID 800CL but not displayed in the event log.
- A user cannot arbitrarily select an exposure dose management system.
- A user cannot switch ON/OFF sending to the exposure dose management system.

■ Prior to setup

● DR-ID 800CL requirements

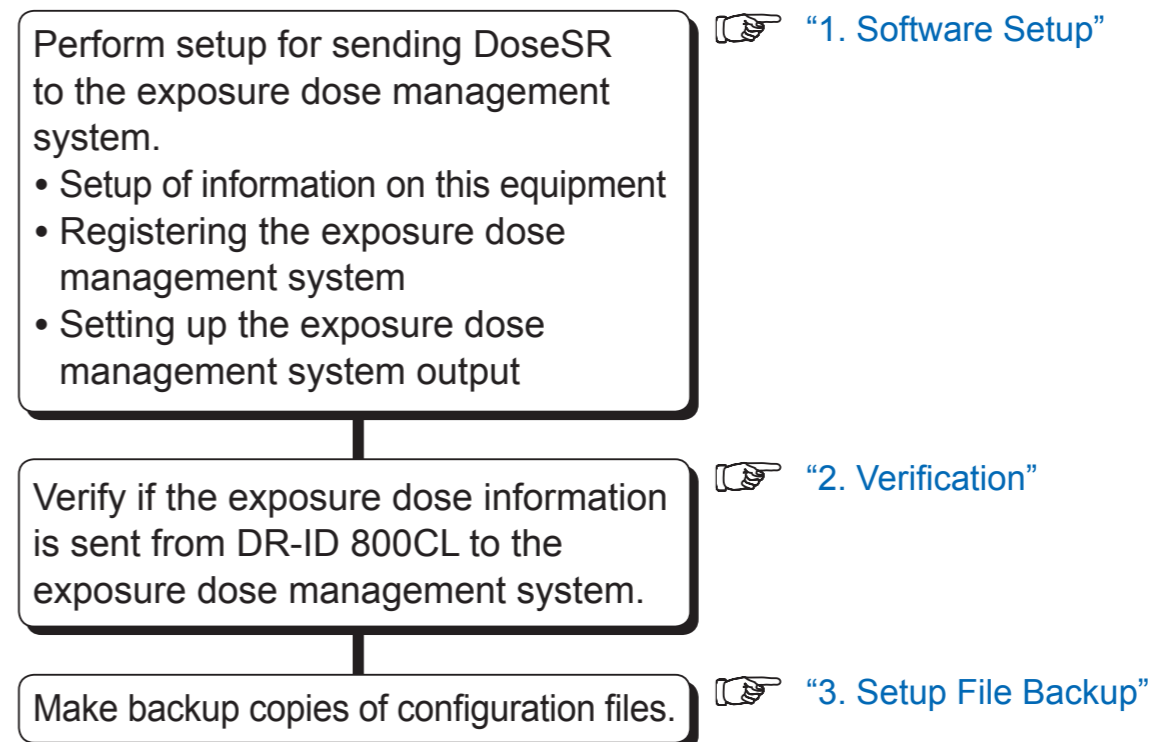
- The DR-ID 800CL main unit must have been set up accordingly.

■ Output Result of DoseSR

DR-ID 800CL outputs 1 DoseSR for an image generated by exposing X-ray. The output results of DoseSR according to exposure menus and their setting contents are as follows.

Exposure method	Output result
General exposure	Output per exposure image
Additional exposure	DoseSR output for the images from additional exposures
Repeat exposure	DoseSR output for the images from repeat exposures
Mis-exposure	DoseSR output for rejected images
Re-exposure because of mis-exposure	DoseSR output for re-exposure because of rejected images

■ Overall operation flow



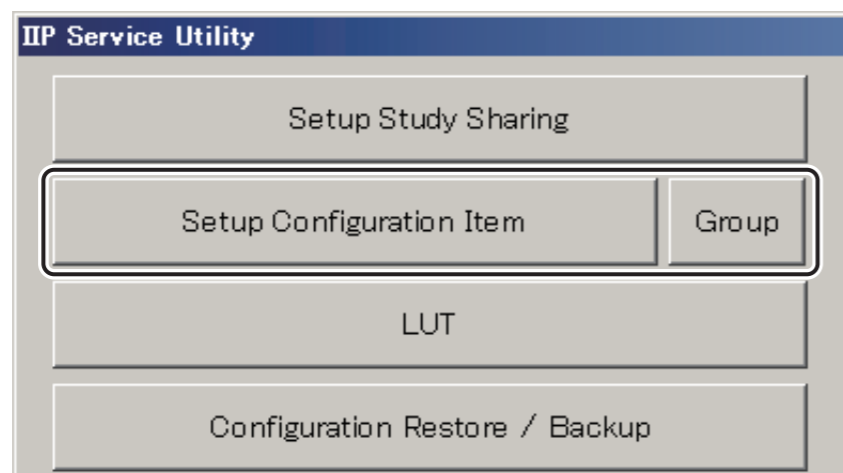
1. Software Setup

1.1 Setup of Information on This Equipment

1. Start up the DR-ID 800CL Service Utility mode.

☞ For details of DR-ID 800CLs Service Utility mode startup, see “1. Starting/Exiting the Service Utility” in “MU: Maintenance Utility”.

2. Click [Setup Configuration Item].



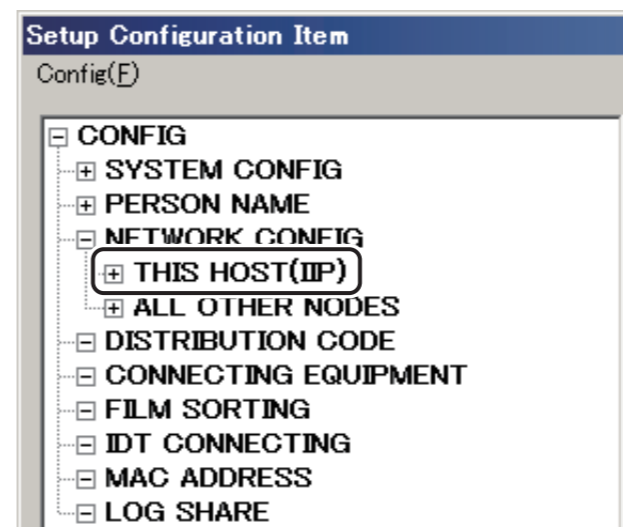
DXCL100810003.ai

→ The “Setup Configuration Item” window opens.



0000091.EPS

3. Select **[+ NETWORK CONFIG] - [+ THIS HOST(IP)]**.



DXL74005.ai

4. Click **[New]**.

→ The “New Node” window opens.

5. Make sure that the DR-ID 800CL host name and IP address are displayed.



D80C010810007.ai

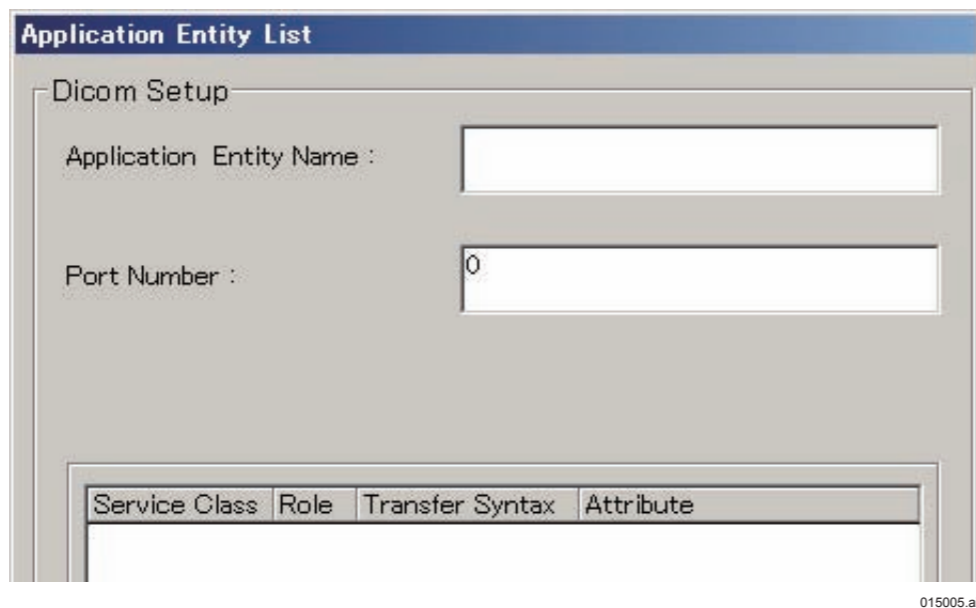
◆ NOTE ◆

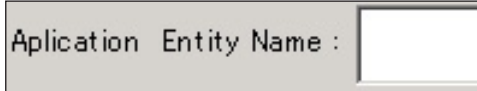
The IP address will not be displayed properly unless the DR-ID 800CL is connected to a network.

6. Make sure that “DICOM” is selected and click .



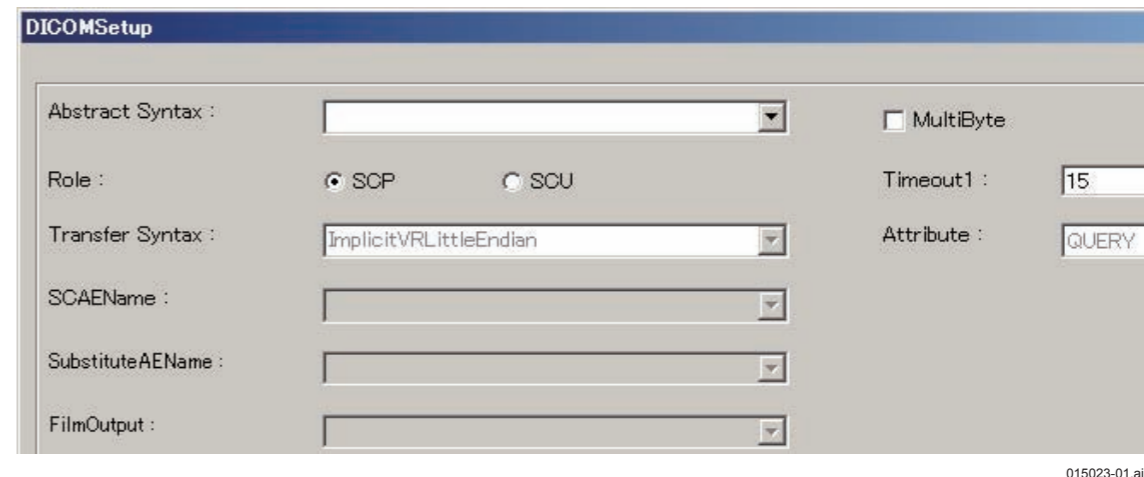
→ The “Application Entity List” window opens.



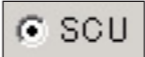
7. Enter the AE name that is the SCU for the DR-ID 800CL (e.g.: “CL-SCU”) in the  field.

8. Click .

→ The “DICOMSetup” window opens.



9. Click downward arrow  in the  field to select “X-Ray Radiation Dose SR”.

10. Select  (SCU) for the Role because this equipment is a user of the DICOM service class.

11. Click .

→ The system returns to the “Application Entity List” window.

12. Click .

→ The system returns to the “Setup Configuration Item” window.

13. Select “Save” from the “Config” menu.


→ A window opens prompting you to confirm the setup data to be saved.

14. Click .

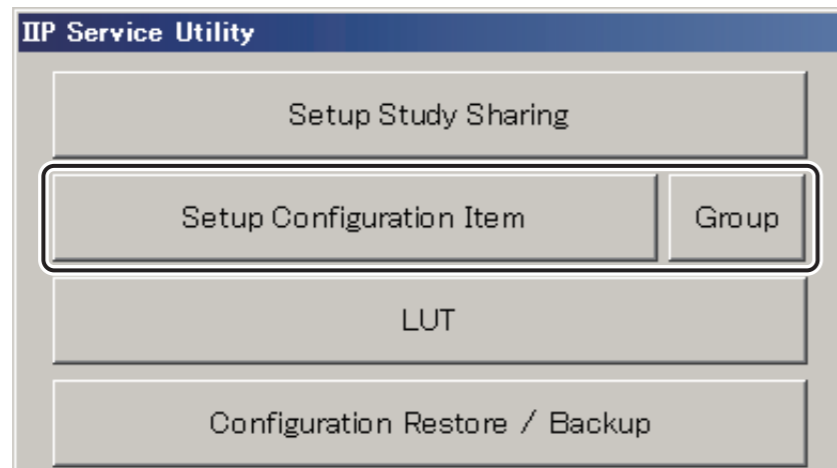
→ The system saves the setup data.

1.2 Registering the Exposure Dose Management System

1. Start up the DR-ID 800CL Service Utility mode.

 For details of DR-ID 800CLs Service Utility mode startup, see “1. Starting/Exiting the Service Utility” in “MU: Maintenance Utility”.

2. Click [Setup Configuration Item].



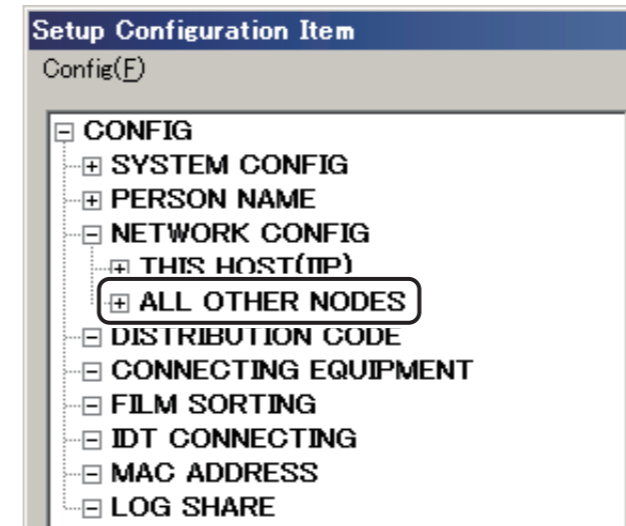
DXCL100810003.ai

→ The “Setup Configuration Item” window opens.



0000091.EPS

3. Select NETWORK CONFIG – ALL OTHER NODES .



DXL74003.ai

4. Click .

→ The “New Node” window opens.

5. Perform the following settings.

- Enter the host name (e.g.: RMS) in .

◆ NOTE ◆

*Do not use the following characters for a host name.
< > & ' " / *

- Enter the IP address in .

➔ REFERENCE

IP addresses are varied according to the institutions.

- Select “DICOM”.

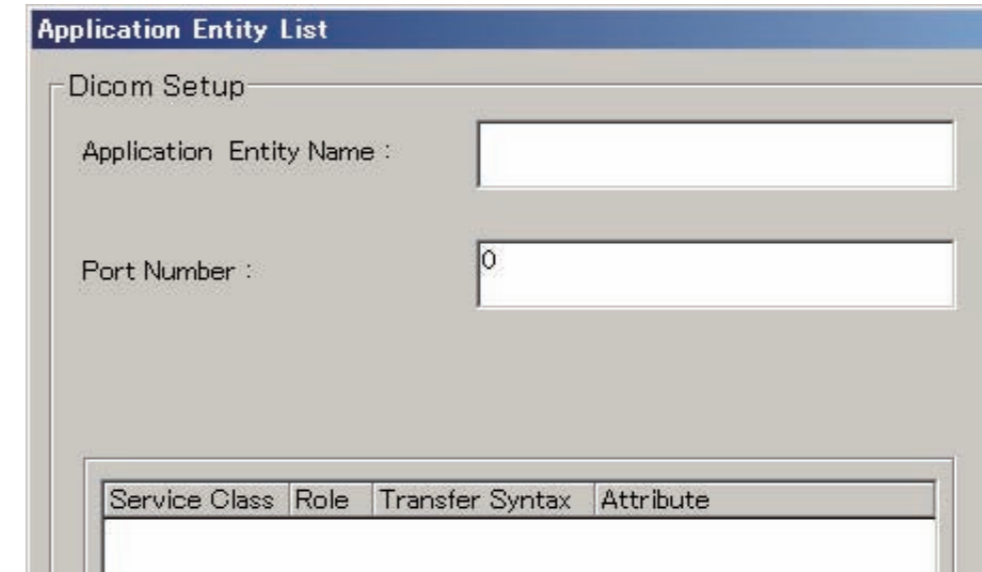


Select “DICOM”.

0000097.ai

- 6. Click .

➔ The “Application Entity List” window opens.



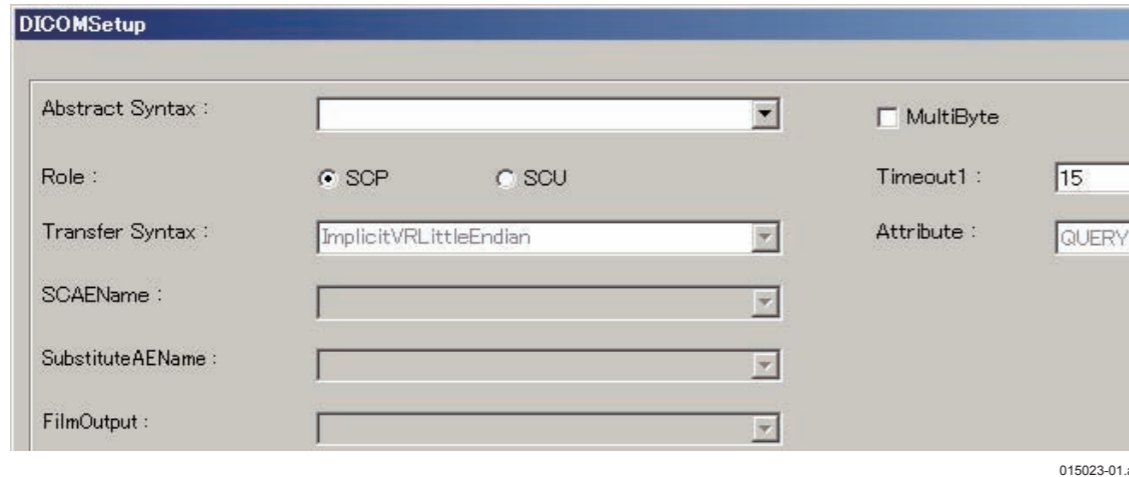
015005.ai

7. Perform the following settings.

- Enter the AE name of other connected equipment (e.g.: “RMS-01”) in the field.
- Enter the Port number of other connected equipment (e.g.: “104”) in the field.

8. Click  .

→ The “DICOMSetup” window opens.



9. Click downward arrow  in the  field to select “X-Ray Radiation Dose SR”.

10. Because the AE of other connected equipment is the Provider, make sure that  (SCP) is selected for the Role.

11. Click  .

→ The system returns to the “Application Entity List” window.

12. Click  .

→ The system returns to the “Setup Configuration Item” window.

13. Select “Save” from the “Config” menu.


→ A window opens prompting you to confirm the setup data to be saved.

14. Click  .

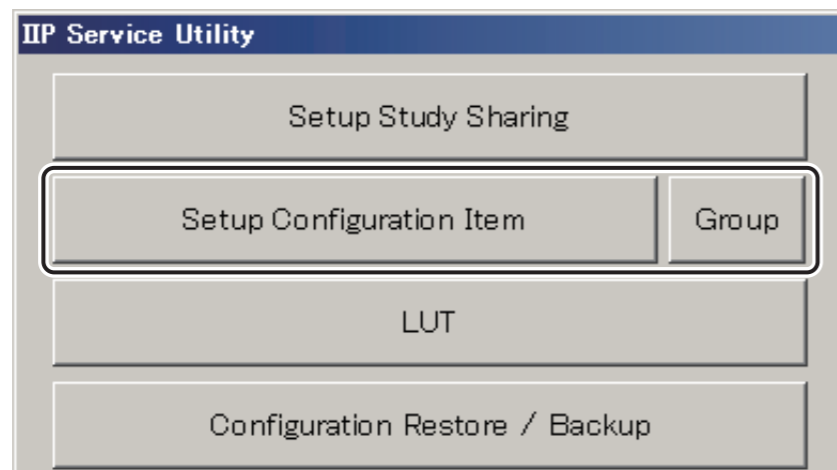
→ The system saves the setup data.

1.3 Setting up the Exposure Dose Management System Output

1. Start up the DR-ID 800CL Service Utility mode.

 For details of DR-ID 800CLs Service Utility mode startup, see “1. Starting/Exiting the Service Utility” in “MU: Maintenance Utility”.

2. Click [Setup Configuration Item].



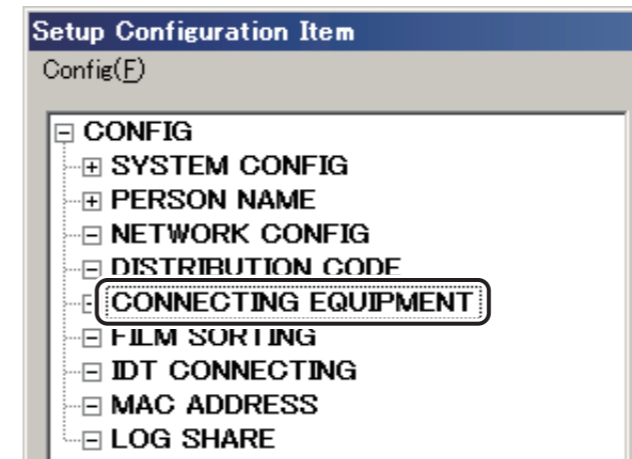
DXCL100810003.ai

→ The “Setup Configuration Item” window opens.



0000091.EPS

3. Select CONNECTING EQUIPMENT and click .



DXCL060840005.ai

→ The “Connecting Equipment” window opens.

4. Perform the following settings.

Click the downward arrow within and select “SR”.

Click the downward arrow within and select the AE name set in “1.2 Registration of the Exposure Dose Management System”.

5. Click .

→ The system returns to the “Setup Configuration Item” window.

6. Select “Save” from the “Config” menu.

→ A window opens prompting you to confirm the setup data to be saved.

7. Click .

→ The system saves the setup data.

2. Verification

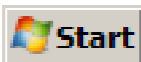
Verify if that exposure dose information is sent from DR-ID 800CL to the exposure dose management system when finishing QA and when redistributing a study.

2.1 Starting the DR-ID 800CL-AP

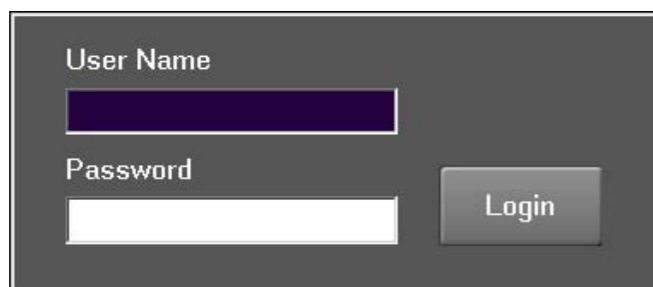
2.2 Verifying Sending of Exposure Dose Information When Finishing QA

2.3 Verifying Sending of Exposure Dose Information When Redistributing Study

2.1 Starting the DR-ID 800CL-AP

1. From the  menu, sequentially choose “All Programs”, “Fuji Film”, and “Console Advance”.

→ The Log-in window opens.



The screenshot shows a login window with a dark background. It contains two text input fields: 'User Name' and 'Password'. The 'User Name' field is currently filled with a solid black bar. To the right of the 'Password' field is a 'Login' button. The window has a simple, functional design with white text and a light gray border.

CLP74010.EPS

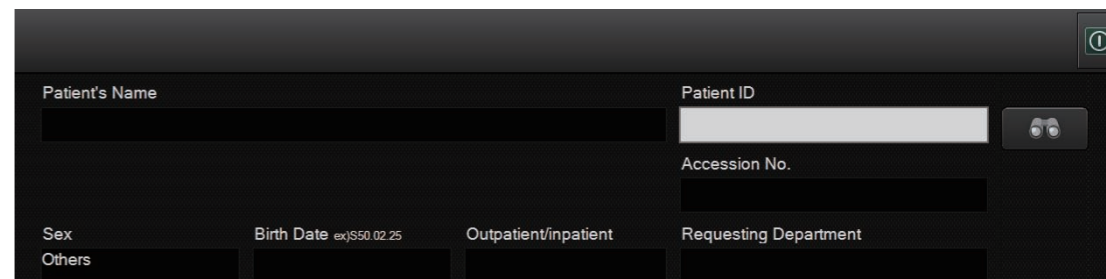
2. Enter the following.

User name : 11111 (default)

Password : 11111 (default)

3. Click [Login].

→ The DR-ID 800CL-AP starts up.



The screenshot shows the main interface of the DR-ID 800CL-AP. It features a dark background with several input fields for patient information. The fields are arranged in a grid-like fashion. The top row contains 'Patient's Name' and 'Patient ID'. The second row contains 'Accession No.'. The third row contains 'Sex' and 'Birth Date' (with a small example 'ex/S50.02.25'). The bottom row contains 'Outpatient/inpatient' and 'Requesting Department'. There is a small icon in the top right corner of the window.

DXL07040003.ai

2.2 Verifying Sending of Exposure Dose Information When Finishing QA

1. Start a study in DR-ID 800CL.
2. Perform an exposure.
3. Finish the study and QA.
 - The exposure dose information is sent to the exposure dose management system.
4. Check the exposure dose information in the exposure dose management system.

2.3 Verifying Sending of Exposure Dose Information When Redistributing Study


1. Start the QA on an already-exposed study.
2. Redistribute the study.
 - The exposure dose information is sent to the exposure dose management system.
3. Check the exposure dose information in the exposure dose management system.

3. Setup File Backup

Make a backup copy of the DR-ID 800CL setup file.

Prepare the following item for file backup:

- Media for storage (FD, USB flash drive, etc.)

 For details on the backup procedure, see [“5. Restoring/Backing Up the Configuration File — Configuration Restore/Backup”](#) under [“Maintenance Utility \(MU\)”](#).

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 41 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 42 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 43 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 44 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 45 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 46 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

Appendix 47 Nothing

BLANK PAGE

BLANK PAGE

BLANK PAGE

DR-ID 800CL Service Manual

PC: Performance Check

Control Sheet

Issue date	Revision number	Reason	Pages affected
12/14/2012	01	New release (FM6115)	All pages
08/30/2013	03	Revision (FM6189)	1

DR-ID 800CL Performance Checklist

The purpose of this checklist is to document the steps performed and settings determined during installation of the DR-ID 800CL in accordance with the instructions of the DR-ID 800CL Service Manual. This checklist is not intended to replace the installation workflow described in the service manual but to be followed concurrently. Check system connections and output images (3. Checkout Procedures and thereafter) not only during installation but also after servicing to ensure correct operation of the system prior to its delivery to the customer.

Installation information

Equipment S/N :	_____	Software Ver. :	_____
Site Name :	_____	Installed by :	_____
Site Number :	_____	Signature :	_____
Room Name :	_____	Date of Installation/Service :	_____

Checklist

1. DR-ID 800CL Hardware Setup

 **“3. DR-ID 800CL Hardware Setup” under “IN: Installation”**

- Checking the items supplied Pass Fail
Equipment main unit Accessories

2. DR-ID 800CL Software Setup

 **“4. DR-ID 800CL Software Setup” under “IN: Installation”**

- Setting/checking the PC system date and time Pass Fail
- Installing the option key Pass Fail

<input type="checkbox"/> DICOM PRINT	<input type="checkbox"/> DICOM COMMITMENT	<input type="checkbox"/> DICOM ORDER MWM
<input type="checkbox"/> DICOM ID MWM	<input type="checkbox"/> DICOM MPPS	<input type="checkbox"/> GPR
<input type="checkbox"/> SHUTTER-PROC	<input type="checkbox"/> RETAKE ANALYSIS	<input type="checkbox"/> RUQC
<input type="checkbox"/> SIMPLE ORDERING	<input type="checkbox"/> MOTION DETECTION	
- DR-ID 800CL startup verification Pass Fail

- DR-ID 800CL setup for connection with other equipment Pass Fail
IP address (in-hospital network) : (_____)
IP address (image local network) : (_____)
Subnet mask : (_____)
Host name : (_____)
Default gateway : (_____)
- Registered AE title Pass Fail
Printer : (_____)
Storage (server) : (_____)
Storage (viewer) : (_____)
MWM/PPS : (_____)

3. Checkout Procedures

 **“5. Checkout Procedures” under “IN: Installation”**

- Checking the connection between DR-ID 800CL and FPD Pass Fail
- Checking the connection between DR-ID 800CL and other equipment Pass Fail
X-CON connection (maker/model _____)
MWM connection (maker/model _____)
PPS connection (maker/model _____)
Ordering connection (maker/model _____)
DAP connection (maker/model _____)
- Checking output images Pass Fail
Printer (maker/model _____)
Storage (server) (maker/model _____)
Storage (viewer) (maker/model _____)

4. Setup File Backup and Error Log Verification/Deletion

 **“6. Setup File Backup, Image Database Initialization and Error Log Verification/Deletion” under “IN: Installation”**

- Making backup copies of setup files Pass Fail

5. Overall Test

Pass Fail

6. Storing final Output Films at the Customer Site as the Records of the Performance Verification

Done

DR-ID 800CL System Configuration List

Equipment	Host Name	IP address	Function	AE name	Port No.	Service Class	Transfer Syntax
DR-ID 800CL		. . .	DICOM PRINT				
DR-ID 800CL		. . .	DICOM Storage				
DR-ID 800CL		. . .	DICOM MWM				
DR-ID 800CL			DICOM PPS				
		. . .					
		. . .					
		. . .					
FPD		. . .	FPD				
		. . .	DICOM PRINT				
		. . .	DICOM PRINT				
		. . .	DICOM PRINT				
		. . .	DICOM Storage				
		. . .	DICOM Storage				
		. . .	DICOM Storage				
		. . .	DICOM MWM				
		. . .	DICOM PPS				
		. . .					
		. . .					